

Converting Colors

XYZ(113.8458, 163.6287,
107.1735)

Have a look what the booklet for
XYZ(113.8458, 163.6287, 107.1735)
contains.

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Color

**XYZ(77.6345, 91.3073,
95.1937)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFEF
RGB	209, 255, 239
RGB Percent	82%, 100%, 94%
CMY	0.1804, 0.0000, 0.0627
CMYK	0.18, 0.00, 0.06, 0.00
HSL	159°, 100%, 91%
HSV	159°, 18%, 100%
XYZ	77.6345, 91.3073, 95.1937
YIQ	239.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

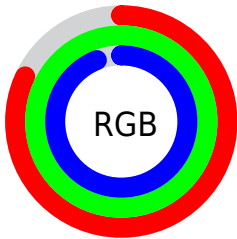
Format	Color
R_{YB}	209, 237, 255
Decimal	13762543
CIE Lab	96.54, -17.69, 2.79
CIE LCh	97, 17.904, 171.041
Yxy	91.3073, 0.2939, 0.3457
Android (android.graphics.Color)	4291952623 (0xFFD1FFEF)
YUV	239.4220, -0.2080, -26.6801
Hunter-Lab	95.5549, -22.1969, 7.8225

Details

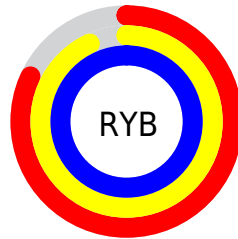
The XYZ color **77.6345, 91.3073, 95.1937** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6317, 72.2983, 81.0977**, and the grayscale version is **82.3866, 86.6771, 94.3914**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0678, 50.6771, 52.3642** is the 20% darker color. If you saturate the color by 10%, you get **69.7097, 87.3696, 88.1508**, and if you desaturate by 10%, it is **86.7801, 95.8668, 102.6323**.

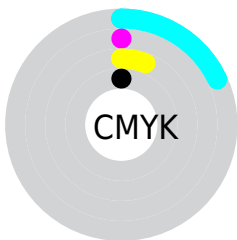
Distribution



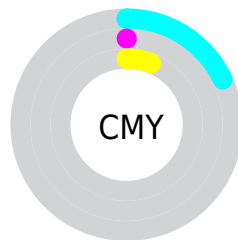
- Red (82%)
- Green (100%)
- Blue (94%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6345, 91.3073, 95.1937 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.6345, 91.3073, 95.1937 by changing the saturation by 10% instead.

77.6345, 91.3073,
95.1937

77.6345, 91.3073,
95.1937

475.7835,
532.2743, 565.7851

58.0755, 69.0654,
71.6984

129.0028,
149.1530, 156.5301

42.1129, 50.7650,
52.4270

161.5429,
185.5255, 195.2082

29.3812, 36.0216,
36.9610

199.1408,
227.3771, 239.7844

19.5151, 24.4509,
24.8817

242.1617,
275.0922, 290.6772

12.1493, 15.6684,
15.7707

290.9711,
329.0550, 348.3052

6.9183, 9.2898,
9.2095

345.9342,

3.4570, 4.9307,

389.6500, 413.0867

4.7794

407.4166,
457.2617, 485.4405

■ 1.3998, 2.2067,
2.0619

■ 0.2561, 0.7236,
0.5930

■ 77.6345, 91.3073,
95.1937

■ 77.6345, 91.3073,
95.1937

■ 69.7097, 87.3696,
88.1508

■ 86.7801, 95.8668,
102.6323

■ 62.9474, 84.0239,
81.4918

95.0500, 100.0000,
108.9000

■ 57.2880, 81.2396,
75.2104

■ 52.6660, 78.9829,
69.2987

■ 49.0081, 77.2162,
63.7481

■ 46.2314, 75.8970,
58.5494

■ 44.2380, 74.9747,
53.6929

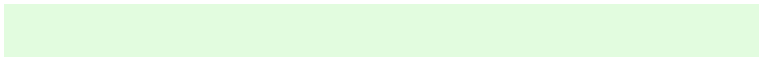
■ 42.8952, 74.3813,
49.1667

■ 42.6715, 74.2846,
48.3154

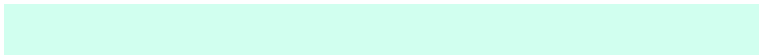
Harmonies

Analogous

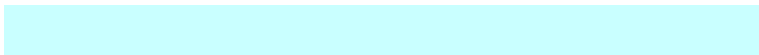
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5250, 91.3073, 83.0986



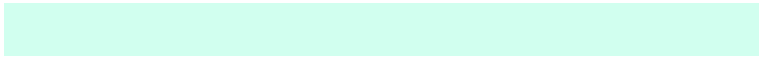
77.6345, 91.3073, 95.1937



78.1215, 91.3073, 109.6301

Triad

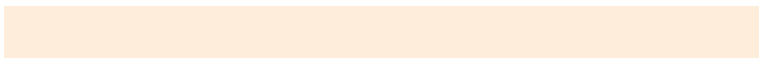
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6345, 91.3073, 95.1937



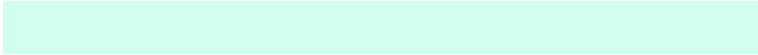
90.2809, 91.3073, 127.3795



92.9682, 91.3073, 79.5168

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



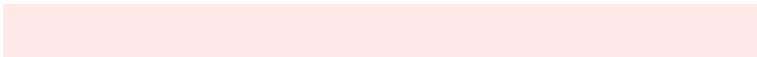
77.6345, 91.3073, 95.1937



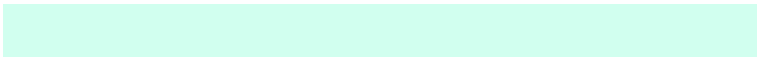
77.6317, 72.2983, 81.0977

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0661, 91.3073, 89.8609



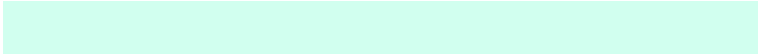
77.6345, 91.3073, 95.1937



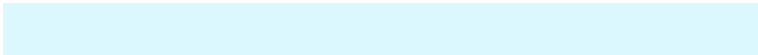
94.4736, 91.3073, 117.7455

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6345, 91.3073, 95.1937



85.2970, 91.3073, 129.1562



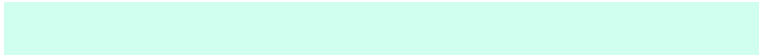
96.6273, 91.3073, 103.7657



88.2899, 91.3073, 74.6357

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



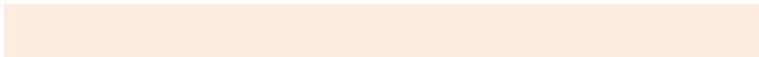
77.6345, 91.3073, 95.1937



79.7369, 91.3073, 118.6052



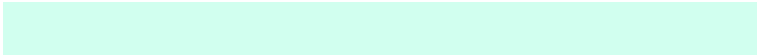
96.6273, 91.3073, 103.7657



94.2363, 91.3073, 82.4207

Sweetspot

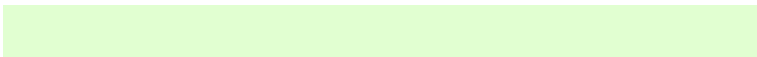
The Sweet Spot groups the original color and five complimentary colors.



77.6354, 91.3077, 95.1952



89.8080, 97.3792, 104.9708



78.3519, 92.1474, 73.9797



19.0705, 20.7671, 22.3516



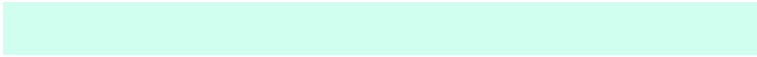
0.0000, 0.0000, 0.0000



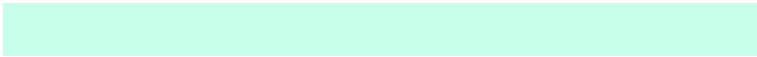
20.3446, 21.4041, 23.3091

Same Dimension

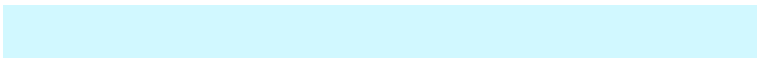
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6354, 91.3077, 95.1952



74.3527, 89.6749, 92.3579



77.9434, 87.9721, 107.4800



18.2708, 20.3678, 21.7288



22.3700, 38.8446, 25.6315



2.2297, 3.8028, 2.7676

Inverse Universe

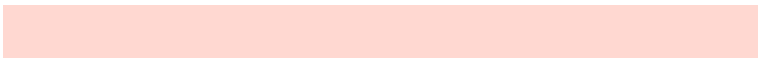
The Inverse Universe completely reimagines the original color for something new.



77.6317, 72.2983, 81.0977



74.3493, 67.1444, 75.6540



77.2796, 74.9250, 70.7119



18.2702, 18.0914, 20.0399



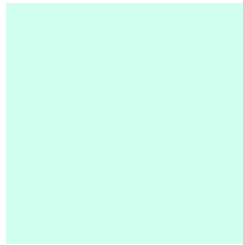
22.5475, 11.5083, 6.2675



2.2446, 1.1402, 0.8696

Previews

White Background



This preview shows how the XYZ color 77.6345, 91.3073, 95.1937 looks on a white background.

Color Contrast Check

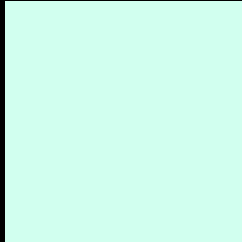
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.6345, 91.3073, 95.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

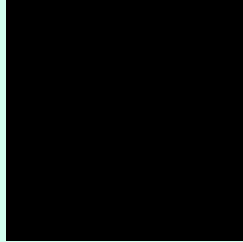
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

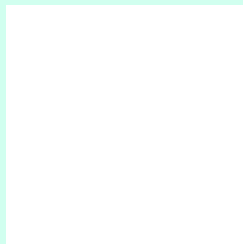
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6345, 91.3073, 95.1937

Background



This preview shows how black text looks on a background with the XYZ color 77.6345, 91.3073, 95.1937.



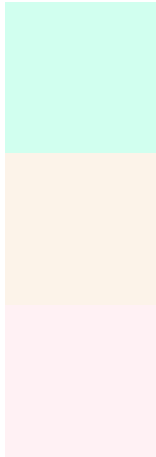
This preview shows how white text looks on a background with the XYZ color 77.6345, 91.3073,

95.1937.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.6345, 91.3073, 95.1937

Protanopia

86.9035, 90.6798, 90.0134

Deuteranopia

89.0244, 90.7022, 98.4031



Tritanopia

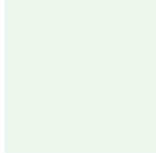
84.9150, 91.0652, 107.7096

Trichromacy



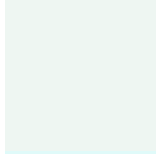
Original Color

77.6345, 91.3073, 95.1937



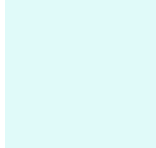
Protanomaly

82.8482, 90.3526, 91.6705



Deuteranomaly

84.2427, 90.4995, 97.0325



Tritanomaly

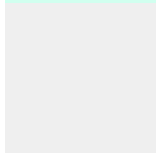
82.0250, 91.0581, 102.8753

Monochromacy



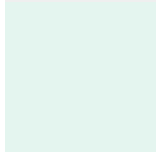
Original Color

77.6345, 91.3073, 95.1937



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.2273, 88.0308, 94.4246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6345, 91.3073, 95.1937 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 77.6345, 91.3073, 95.1937 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 255, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 255, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6345, 91.3073, 95.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
255, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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