

Converting Colors

XYZ(114.2953, 100.0000,
299.3195)

Have a look what the booklet for
XYZ(114.2953, 100.0000, 299.3195)
contains.

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Color

**XYZ(77.8321, 85.6173,
107.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F3FF
RGB	214, 243, 255
RGB Percent	84%, 95%, 100%
CMY	0.1608, 0.0470, 0.0000
CMYK	0.16, 0.05, 0.00, 0.00
HSL	198°, 100%, 92%
HSV	198°, 16%, 100%
XYZ	77.8321, 85.6173, 107.0313
YIQ	235.6970, -21.1360, -2.4160

Conversions

Conversions Part 2

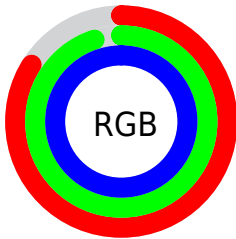
Format	Color
R _Y B	214, 231, 255
Decimal	14087167
CIE Lab	94.15, -7.00, -8.95
CIE LCh	94, 11.359, 231.982
Yxy	85.6173, 0.2878, 0.3165
Android (android.graphics.Color)	4292277247 (0xFFD6F3FF)
YUV	235.6970, 9.5164, -19.0283
Hunter-Lab	92.5296, -11.7800, -3.8115

Details

The XYZ color **77.8321, 85.6173, 107.0313** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5735, 80.5064, 74.9125**, and the grayscale version is **79.4402, 83.5773, 91.0156**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2614, 46.9888, 60.2684** is the 20% darker color. If you saturate the color by 10%, you get **68.7775, 77.7042, 105.9812**, and if you desaturate by 10%, it is **88.1470, 94.3193, 108.1674**.

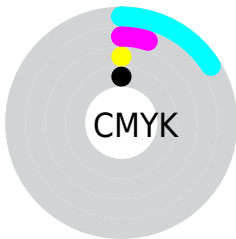
Distribution



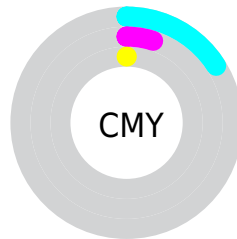
- Red (84%)
- Green (95%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8321, 85.6173, 107.0313 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 77.8321, 85.6173, 107.0313 by changing the saturation by 10% instead.

77.8321, 85.6173,
107.0313

77.8321, 85.6173,
107.0313

476.4450,
513.6685, 603.9462

58.2384, 64.3516,
81.5360

129.2800,
141.2353, 172.9226

42.2443, 46.9355,
60.4496

161.8649,
176.3564, 214.1557

29.4846, 32.9846,
43.3534

199.5109,
216.8647, 261.4717

19.5938, 22.1147,
29.8291

242.5834,
263.1446, 315.2894

12.2067, 13.9412,
19.4579

291.4477,
315.5806, 376.0271

6.9578, 8.0798,
11.8215

346.4691,

3.4818, 4.1460,

374.5569, 444.1035

6.5012

408.0131,
440.4581, 519.9370

■ 1.4134, 1.7556,
3.0785

■ 0.2657, 0.4593,
1.1348

■ 77.8321, 85.6173,
107.0313

■ 77.8321, 85.6173,
107.0313

■ 68.7775, 77.7042,
105.9812

■ 88.1470, 94.3193,
108.1674

■ 60.9212, 70.5397,
105.0124

95.0500, 100.0000,
108.9000

■ 54.2061, 64.0950,
104.1224

■ 48.5675, 58.3352,
103.3078

■ 43.9337, 53.2215,
102.5650

■ 40.2239, 48.7107,
101.8898

■ 37.3433, 44.7521,
101.2776

■ 35.1747, 41.2836,
100.7224

■ 34.4508, 40.0216,
100.5169

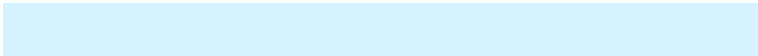
Harmonies

Analogous

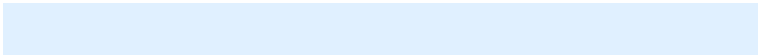
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0799, 85.6173, 99.6251



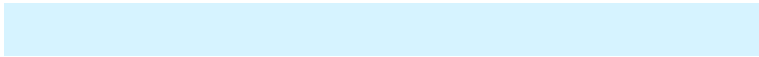
77.8321, 85.6173, 107.0313



80.5647, 85.6173, 110.7867

Triad

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



77.8321, 85.6173, 107.0313



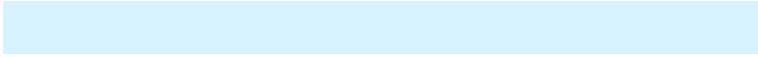
87.2983, 85.6173, 95.5754



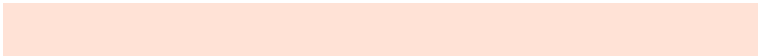
79.2100, 85.6173, 78.5559

Complementary

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



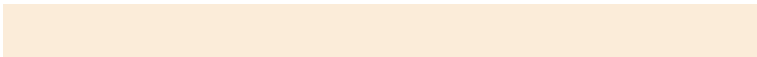
77.8321, 85.6173, 107.0313



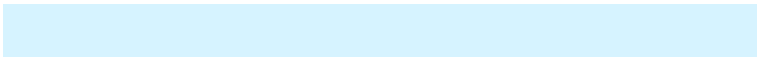
80.5735, 80.5064, 74.9125

Split Complementary

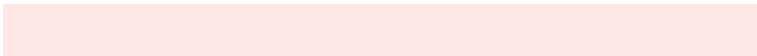
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1941, 85.6173, 77.6207



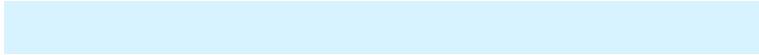
77.8321, 85.6173, 107.0313



86.9138, 85.6173, 87.1006

Square

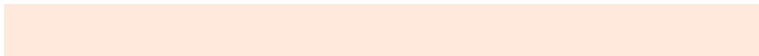
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8321, 85.6173, 107.0313



86.0653, 85.6173, 103.9093



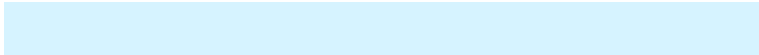
85.0273, 85.6173, 80.6560



76.8615, 85.6173, 83.2951

Rectangle

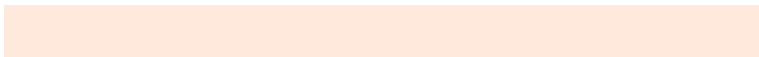
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8321, 85.6173, 107.0313



82.5952, 85.6173, 110.5615



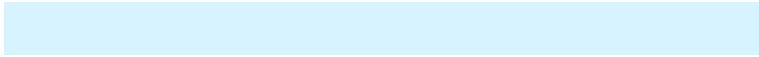
85.0273, 85.6173, 80.6560



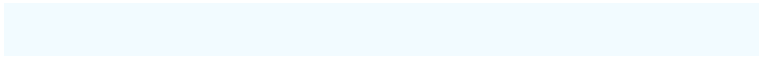
80.1702, 85.6173, 77.7986

Sweetspot

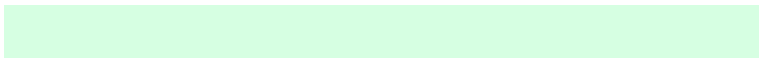
The Sweet Spot groups the original color and five complimentary colors.



77.8344, 85.6207, 107.0319



89.3353, 95.3045, 108.2949



77.1674, 91.2866, 85.2302



18.9552, 20.2613, 23.1617



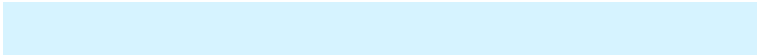
0.0000, 0.0000, 0.0000



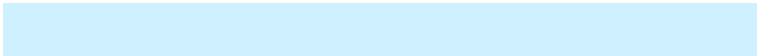
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8344, 85.6207, 107.0319



75.0600, 83.2275, 106.7162



72.1393, 74.2305, 105.1335



18.0797, 19.5309, 23.0669



18.1367, 21.1830, 52.5674



1.8605, 2.2516, 5.1498

Inverse Universe

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



81.4656, 75.8257, 95.1402



79.2950, 72.0083, 92.8016



86.3693, 92.0980, 76.8444



18.5529, 18.2045, 21.5285



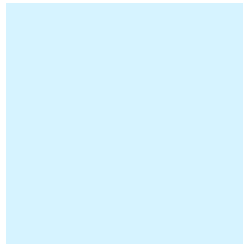
25.9428, 12.8664, 24.1468



2.5737, 1.2718, 2.6024

Previews

White Background



This preview shows how the XYZ color 77.8321, 85.6173, 107.0313 looks on a white background.

Color Contrast Check

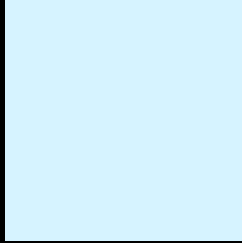
Large Text (above 18pt) WCAG AA × Fail

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 77.8321, 85.6173, 107.0313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

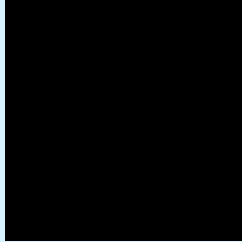
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8321, 85.6173, 107.0313

Background



This preview shows how black text looks on a background with the XYZ color 77.8321, 85.6173, 107.0313.



This preview shows how white text looks on a background with the XYZ color 77.8321, 85.6173,

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

77.8321, 85.6173, 107.0313

Protanopia

82.6679, 85.1331, 103.3420

Deuteranopia

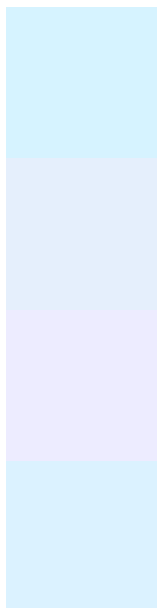
86.3310, 85.2572, 106.5139



Tritanopia

79.6295, 85.6602, 106.9449

Trichromacy



Original Color

77.8321, 85.6173, 107.0313

Protanomaly

80.7503, 85.4193, 104.3270

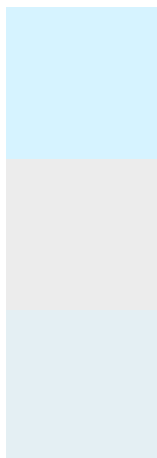
Deuteranomaly

82.9705, 85.2154, 106.6829

Tritanomaly

79.0155, 85.7843, 107.0012

Monochromacy



Original Color

77.8321, 85.6173, 107.0313

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0391, 84.6980, 96.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8321, 85.6173, 107.0313 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(214, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 243, 255)  
}
```

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(214, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8321, 85.6173, 107.0313 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(214, 243, 255) }
```


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

```
.border{ border-color:rgb(214, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8321, 85.6173, 107.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 243, 255) }
```

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

```
.background{ background-color: rgb(214,  
243, 255) }
```

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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