

Converting Colors

XYZ(77.1985, 91.2990, 85.3963)

Have a look what the booklet for
XYZ(77.1985, 91.2990, 85.3963)
contains.

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Color

**XYZ(77.2190, 91.3071,
85.5057)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFE2
RGB	214, 255, 226
RGB Percent	84%, 100%, 89%
CMY	0.1608, 0.0000, 0.1137
CMYK	0.16, 0.00, 0.11, 0.00
HSL	138°, 100%, 92%
HSV	138°, 16%, 100%
XYZ	77.2190, 91.3071, 85.5057
YIQ	239.4350, -15.1270, -17.7110

Conversions

Conversions Part 2

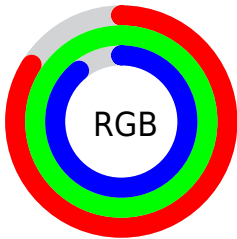
Format	Color
R _Y B	214, 246, 255
Decimal	14090210
CIE Lab	96.54, -18.52, 9.51
CIE LCh	97, 20.819, 152.822
Yxy	91.3071, 0.3040, 0.3594
Android (android.graphics.Color)	4292280290 (0xFFD6FFE2)
YUV	239.4350, -6.6235, -22.3065
Hunter-Lab	95.5547, -22.9727, 13.8336

Details

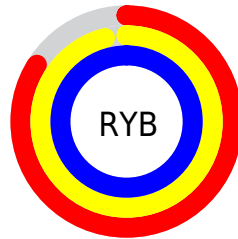
The XYZ color **77.2190, 91.3071, 85.5057** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.4646, 75.8250, 95.1358**, and the grayscale version is **82.4411, 86.7344, 94.4538**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8428, 50.6994, 46.1087** is the 20% darker color. If you saturate the color by 10%, you get **68.0038, 86.8276, 72.8278**, and if you desaturate by 10%, it is **87.8611, 96.4921, 99.6123**.

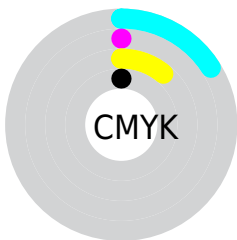
Distribution



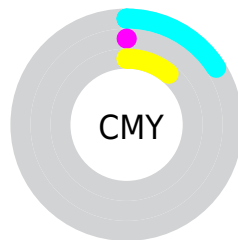
- Red (84%)
- Green (100%)
- Blue (89%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2190, 91.3071, 85.5057 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 77.2190, 91.3071, 85.5057 by changing the saturation by 10% instead.

77.2190, 91.3071,
85.5057

77.2190, 91.3071,
85.5057

474.3909,
532.2737, 533.4881

57.7332, 69.0653,
63.7068

128.4198,
149.1527, 142.9599

41.8366, 50.7649,
45.9685

160.8655,
185.5252, 179.4523

29.1639, 36.0215,
31.8725

198.3618,
227.3768, 221.6796

19.3498, 24.4508,
21.0001

241.2741,
275.0918, 270.0602

12.0288, 15.6684,
12.9329

289.9679,
329.0545, 325.0129

6.8356, 9.2898,
7.2521

344.8083,

3.4049, 4.9307,

389.6495, 386.9561

3.5395

406.1609,
457.2611, 456.3083

■ 1.3713, 2.2066,
1.3763

■ 0.2357, 0.7236,
0.1231

■ 77.2190, 91.3071,
85.5057

■ 77.2190, 91.3071,
85.5057

■ 68.0038, 86.8276,
72.8278

■ 87.8611, 96.4921,
99.6123

■ 60.1512, 83.0213,
61.5295

95.0500, 100.0000,
108.9000

■ 53.5952, 79.8553,
51.5651

■ 48.2632, 77.2932,
42.8851

■ 44.0754, 75.2948,
35.4365

■ 40.9419, 73.8151,
29.1627

■ 38.7584, 72.8014,
24.0024

■ 37.3973, 72.1894,
19.8885

■ 37.0177, 72.0231,
18.5429

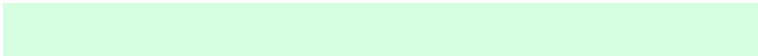
Harmonies

Analogous

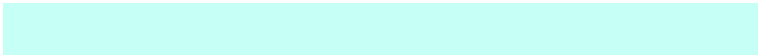
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8678, 91.3071, 74.8771



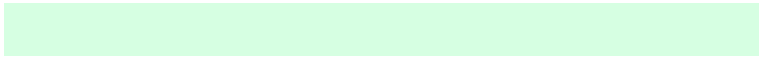
77.2190, 91.3071, 85.5057



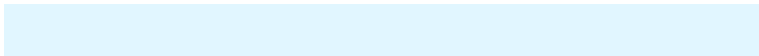
76.0957, 91.3071, 101.0019

Triad

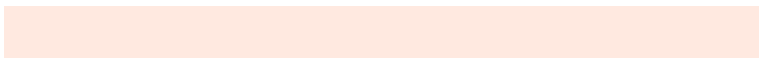
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2190, 91.3071, 85.5057



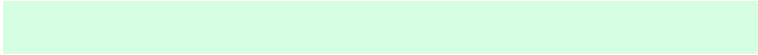
87.3360, 91.3071, 134.9284



96.5176, 91.3071, 83.0612

Complementary

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



77.2190, 91.3071, 85.5057



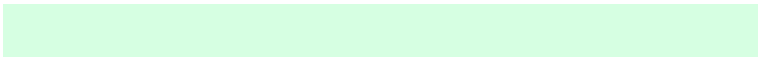
81.4646, 75.8250, 95.1358

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.



98.4304, 91.3071, 97.8506



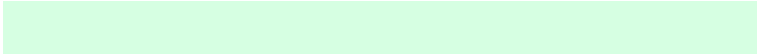
77.2190, 91.3071, 85.5057



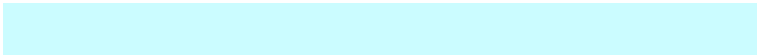
92.9834, 91.3071, 128.8084

Square

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



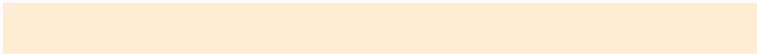
77.2190, 91.3071, 85.5057



81.7803, 91.3071, 130.6901



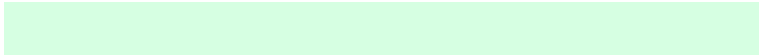
97.1094, 91.3071, 114.7628



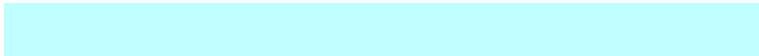
91.9891, 91.3071, 73.5803

Rectangle

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



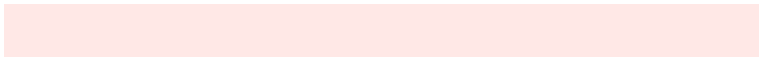
77.2190, 91.3071, 85.5057



76.8875, 91.3071, 112.3542



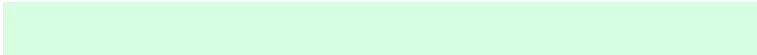
97.1094, 91.3071, 114.7628



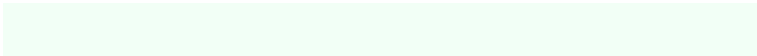
97.4967, 91.3071, 87.5148

Sweetspot

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



77.2198, 91.3075, 85.5071



89.0956, 97.0942, 101.2195



84.9926, 95.4982, 77.5728



18.8974, 20.6979, 21.4404



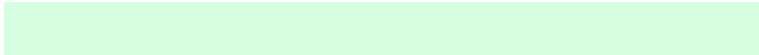
0.0000, 0.0000, 0.0000



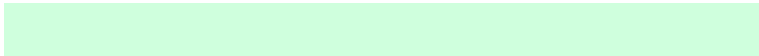
20.3446, 21.4041, 23.3091

Same Dimension

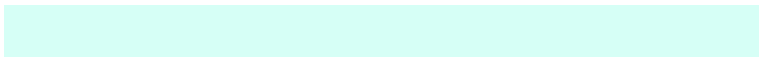
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2198, 91.3075, 85.5071



74.3820, 89.9268, 81.6565



80.1446, 92.4774, 100.9088



17.9902, 20.2556, 20.2516



19.3987, 37.6561, 9.9847



1.9340, 3.6845, 1.2102

Inverse Universe

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



81.4646, 75.8250, 95.1358



79.2940, 72.0079, 92.7967



78.5907, 74.6755, 80.0021



18.5528, 18.2044, 21.5279



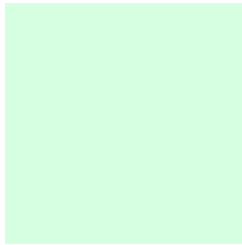
25.9410, 12.8657, 24.1377



2.5735, 1.2718, 2.6016

Previews

White Background



This preview shows how the XYZ color 77.2190, 91.3071, 85.5057 looks on a white background.

Color Contrast Check

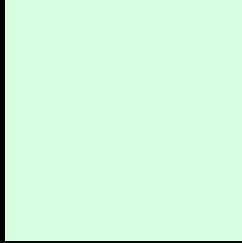
Large Text (above 18pt) WCAG AA × Fail

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 77.2190, 91.3071, 85.5057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

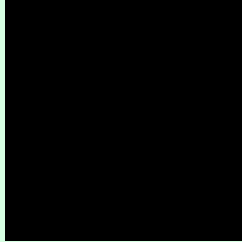
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

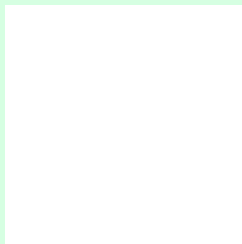
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2190, 91.3071, 85.5057

Background



This preview shows how black text looks on a background with the XYZ color 77.2190, 91.3071, 85.5057.



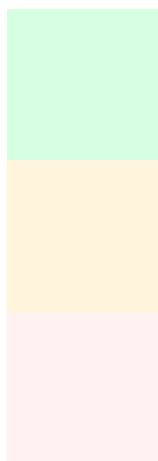
This preview shows how white text looks on a background with the XYZ color 77.2190, 91.3071,

85.5057.

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

77.2190, 91.3071, 85.5057

Protanopia

86.5090, 91.1287, 80.7402

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

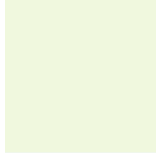
85.2667, 90.7937, 107.6386

Trichromacy



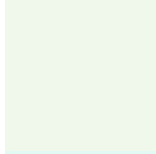
Original Color

77.2190, 91.3071, 85.5057



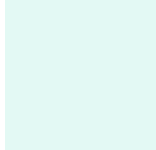
Protanomaly

82.6874, 90.9340, 82.3012



Deuteranomaly

84.1913, 91.0450, 91.7333



Tritanomaly

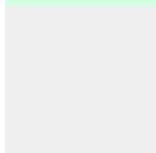
81.8834, 90.6139, 98.7625

Monochromacy



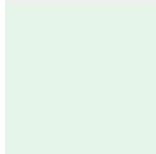
Original Color

77.2190, 91.3071, 85.5057



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1368, 88.0683, 90.6171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2190, 91.3071, 85.5057 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, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 226)  
}
```

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, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 77.2190, 91.3071, 85.5057 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, 255, 226) }
```


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

```
.border{ border-color:rgb(214, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2190, 91.3071, 85.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 226) }
```

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

```
.background{ background-color: rgb(214,  
255, 226) }
```

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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