

Converting Colors

XYZ(71.6994, 80.2682, 96.4591)

Have a look what the booklet for
XYZ(71.6994, 80.2682, 96.4591)
contains.

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Color

**XYZ(71.9290, 80.5993,
96.5602)**

Conversions

Conversions Part 1

Format	Color
Hex	CDEEF3
RGB	205, 238, 243
RGB Percent	80%, 93%, 95%
CMY	0.1961, 0.0666, 0.0471
CMYK	0.16, 0.02, 0.00, 0.05
HSL	188°, 61%, 88%
HSV	188°, 16%, 95%
XYZ	71.9290, 80.5993, 96.5602
YIQ	228.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

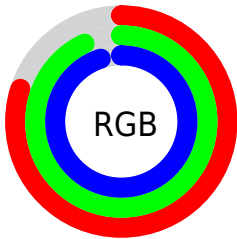
Format	Color
R _{YB}	205, 223, 243
Decimal	13496051
CIE Lab	91.95, -9.67, -6.02
CIE LCh	92, 11.395, 211.921
Yxy	80.5993, 0.2888, 0.3236
Android (android.graphics.Color)	4291686131 (0xFFCDEEF3)
YUV	228.7030, 7.0484, -20.7875
Hunter-Lab	89.7771, -14.0966, -0.9257

Details

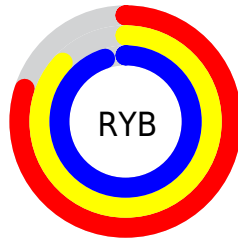
The XYZ color **71.9290, 80.5993, 96.5602** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0287, 69.5554, 67.4408**, and the grayscale version is **74.2209, 78.0862, 85.0358**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2753, 43.5278, 53.3981** is the 20% darker color. If you saturate the color by 10%, you get **64.8181, 75.5668, 95.9649**, and if you desaturate by 10%, it is **80.1022, 86.2082, 97.2133**.

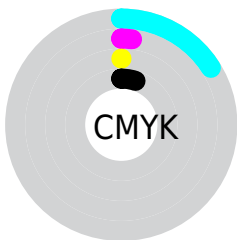
Distribution



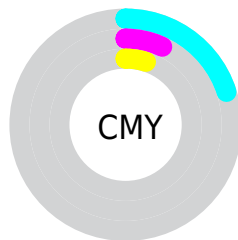
- Red (80%)
- Green (93%)
- Blue (95%)



- Red (80%)
- Yellow (87%)
- Blue (95%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9290, 80.5993, 96.5602 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 71.9290, 80.5993, 96.5602 by changing the saturation by 10% instead.

71.9290, 80.5993,
96.5602

71.9290, 80.5993,
96.5602

456.4559,
496.9502, 570.2593

53.3859, 60.2116,
72.8302

120.9669,
134.2080, 158.4324

38.3397, 43.5892,
53.3461

152.1925,
168.1978, 197.4116

26.4248, 30.3477,
37.6895

188.3763,
207.4905, 242.3110

17.2761, 20.1027,
25.4419

229.8837,
252.4704, 293.5491

10.5280, 12.4697,
16.1846

277.0799,
303.5219, 351.5445

5.8154, 7.0644,
9.4991

330.3305,

2.7727, 3.5024,

361.0295, 416.7156

4.9669

390.0007,
425.3774, 489.4810

■ 1.0347, 1.3993,
2.1694

■ 0.0000, 0.2162,
0.6567

■ 71.9290, 80.5993,
96.5602

■ 71.9290, 80.5993,
96.5602

■ 64.8181, 75.5668,
95.9649

■ 80.1022, 86.2082,
97.2133

■ 58.7143, 71.0757,
95.4197

■ 89.3754, 92.4067,
97.9210

■ 53.5685, 67.1027,
94.9241

■ 90.8596, 94.6146,
98.2690

■ 49.3240, 63.6186,
94.4753

■ 91.8483, 96.5919,
98.5985

■ 45.9185, 60.5910,
94.0704

■ 92.8538, 98.6029,
98.9337

■ 43.2816, 57.9834,
93.7061

■ 93.1779, 99.2512,
99.0417

■ 41.3310, 55.7535,
93.3784

■ 39.9651, 53.8485,
93.0827

■ 39.4844, 53.0842,
92.9606

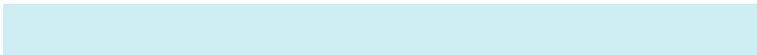
Harmonies

Analogous

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



71.1190, 80.5993, 88.3005



71.9290, 80.5993, 96.5602



73.9887, 80.5993, 102.7617

Triad

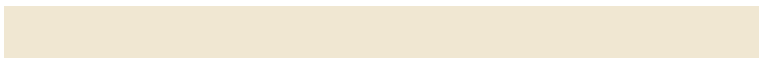
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9290, 80.5993, 96.5602



81.6808, 80.5993, 95.5660



76.4187, 80.5993, 72.6157

Complementary

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



71.9290, 80.5993, 96.5602



71.0287, 69.5554, 67.4408

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.



79.2868, 80.5993, 74.2924



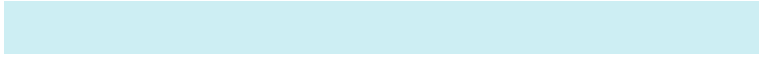
71.9290, 80.5993, 96.5602



82.3707, 80.5993, 87.2196

Square

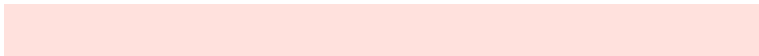
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9290, 80.5993, 96.5602



79.6217, 80.5993, 102.1626



81.4840, 80.5993, 79.5094



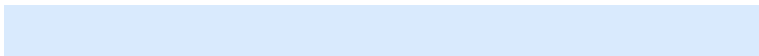
73.6698, 80.5993, 74.7770

Rectangle

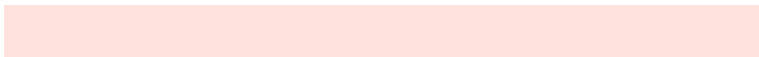
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



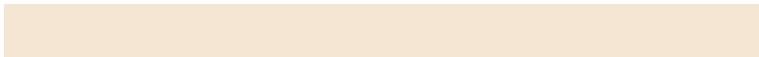
71.9290, 80.5993, 96.5602



75.8190, 80.5993, 104.7037



81.4840, 80.5993, 79.5094



77.4008, 80.5993, 72.7487

Sweetspot

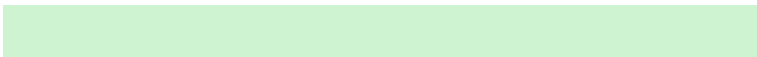
The Sweet Spot groups the original color and five complimentary colors.



71.9313, 80.6026, 96.5620



89.9813, 96.5965, 108.5102



68.7911, 81.7067, 72.7499



19.1126, 20.5761, 23.2142



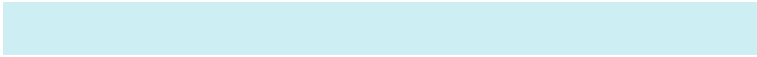
0.0000, 0.0000, 0.0000



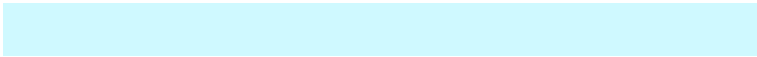
20.3446, 21.4041, 23.3091

Same Dimension

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



71.9313, 80.6026, 96.5620



77.4178, 87.9431, 107.5021



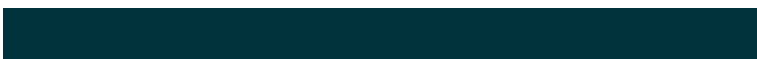
66.8354, 70.4108, 94.8634



16.8000, 18.3642, 21.2018



21.7417, 29.2772, 51.0432



1.9615, 2.6744, 4.5031

Inverse Universe

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



74.2279, 68.8920, 90.2781



80.4851, 72.4843, 99.0685



75.8457, 79.1894, 69.0465



17.1144, 16.7286, 20.3488



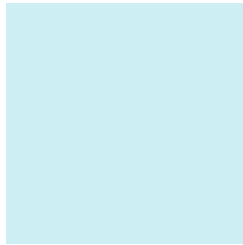
26.7787, 13.0549, 35.1387



2.3791, 1.1576, 3.2229

Previews

White Background



This preview shows how the XYZ color 71.9290, 80.5993, 96.5602 looks on a white background.

Color Contrast Check

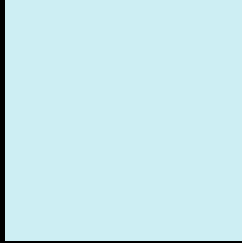
Large Text (above 18pt) WCAG AA × Fail

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 71.9290, 80.5993, 96.5602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

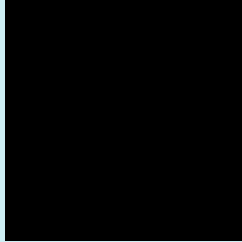
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.9290, 80.5993, 96.5602

Background



This preview shows how black text looks on a background with the XYZ color 71.9290, 80.5993, 96.5602.

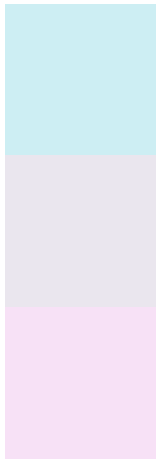


This preview shows how white text looks on a background with the XYZ color 71.9290, 80.5993,

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

71.9290, 80.5993, 96.5602

Protanopia

77.6611, 80.2591, 92.2873

Deuteranopia

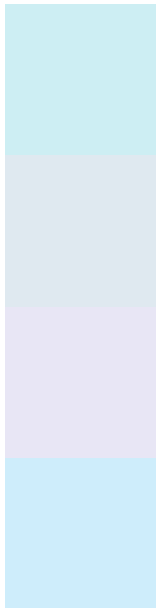
81.9175, 80.2784, 98.3665



Tritanopia

73.7776, 80.4763, 106.2527

Trichromacy



Original Color

71.9290, 80.5993, 96.5602

Protanomaly

75.2985, 80.2571, 93.9606

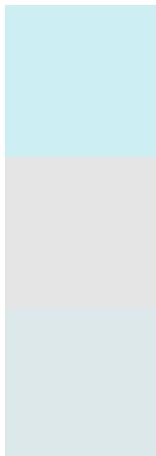
Deuteranomaly

78.0570, 80.3420, 97.7797

Tritanomaly

73.1504, 80.6552, 102.9794

Monochromacy



Original Color

71.9290, 80.5993, 96.5602

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.2231, 78.8694, 89.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9290, 80.5993, 96.5602 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(205, 238, 243)` looks like.

```
.text, #text, p{  
    color:rgb(205, 238, 243)  
}
```

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(205, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 238, 243) }
```

Border

The CSS property to change the border of an element to XYZ 71.9290, 80.5993, 96.5602 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(205, 238, 243) }
```


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

```
.border{ border-color:rgb(205, 238, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 238, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 238, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 238, 243);  
box-shadow:4px 4px 4px 4px rgb(205, 238,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9290, 80.5993, 96.5602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 238, 243) }
```

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

```
.background{ background-color: rgb(205,  
238, 243) }
```

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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