

Converting Colors

XYZ(70.5270, 80.2571, 98.9628)

Have a look what the booklet for
XYZ(70.5270, 80.2571, 98.9628)
contains.

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Color

**XYZ(70.5270, 80.2571,
98.9628)**

Conversions

Conversions Part 1

Format	Color
Hex	C5EFF6
RGB	197, 239, 246
RGB Percent	77%, 94%, 96%
CMY	0.2274, 0.0627, 0.0353
CMYK	0.20, 0.03, 0.00, 0.04
HSL	189°, 73%, 87%
HSV	189°, 20%, 96%
XYZ	70.5270, 80.2571, 98.9628
YIQ	227.2400, -27.2790, -6.7270

Conversions

Conversions Part 2

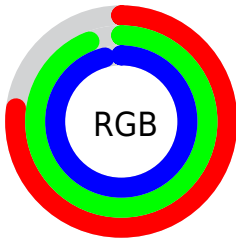
Format	Color
R _Y B	197, 220, 246
Decimal	12972022
CIE Lab	91.80, -11.99, -7.87
CIE LCh	92, 14.343, 213.274
Yxy	80.2571, 0.2824, 0.3214
Android (android.graphics.Color)	4291162102 (0xFFC5EFF6)
YUV	227.2400, 9.2487, -26.5205
Hunter-Lab	89.5863, -16.2516, -2.7851

Details

The XYZ color **70.5270, 80.2571, 98.9628** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6777, 66.8100, 62.0481**, and the grayscale version is **73.1392, 76.9481, 83.7965**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **37.3831, 43.3355, 55.1095** is the 20% darker color. If you saturate the color by 10%, you get **63.5859, 75.1689, 98.3478**, and if you desaturate by 10%, it is **78.5439, 85.9337, 99.6373**.

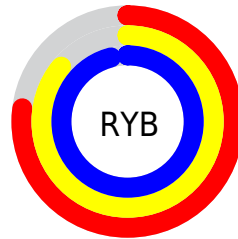
Distribution



Red (77%)

Green (94%)

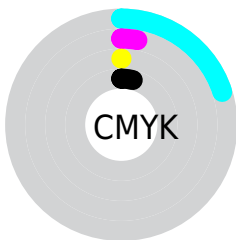
Blue (96%)



Red (77%)

Yellow (86%)

Blue (96%)

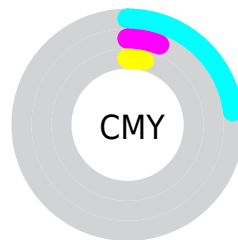


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (6%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5270, 80.2571, 98.9628 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 70.5270, 80.2571, 98.9628 by changing the saturation by 10% instead.

70.5270, 80.2571,
98.9628

70.5270, 80.2571,
98.9628

451.6358,
495.7989, 578.0804

52.2374, 59.9299,
74.8226

118.9822,
133.7271, 161.7705

37.4194, 43.3622,
54.9667

149.8785,
167.6388, 201.2751

25.7075, 30.1694,
38.9766

185.7077,
206.8475, 246.7382

16.7365, 19.9672,
26.4339

226.8353,
251.7374, 298.5783

10.1409, 12.3712,
16.9198

273.6266,
302.6932, 357.2141

5.5555, 6.9970,
10.0160

326.4468,

2.6148, 3.4602,

360.0991, 423.0640

5.3038

385.6615,
424.3395, 496.5466

0.9535, 1.3765,
2.3648

0.0000, 0.1993,
0.7672

70.5270, 80.2571,
98.9628

70.5270, 80.2571,
98.9628

63.5859, 75.1689,
98.3478

78.5439, 85.9337,
99.6373

57.6626, 70.6329,
97.7845

87.6771, 92.2135,
100.3680

52.7040, 66.6235,
97.2719

91.9186, 96.0016,
100.8756

48.6497, 63.1095,
96.8073

93.0178, 98.1999,
101.2420

■ 45.4319, 60.0557,
96.3875

■ 93.6348, 99.4339,
101.4477

■ 42.9736, 57.4223,
96.0088

■ 41.1826, 55.1616,
95.6668

■ 39.9073, 53.1952,
95.3545

■ 39.8976, 53.1796,
95.3520

Harmonies

Analogous

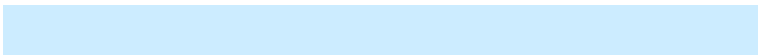
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4444, 80.2571, 88.5469



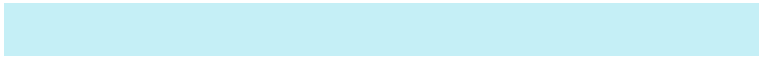
70.5270, 80.2571, 98.9628



73.1489, 80.2571, 106.7305

Triad

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



70.5270, 80.2571, 98.9628



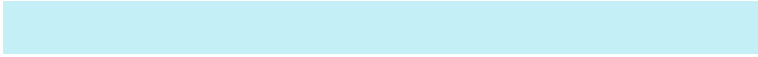
82.7671, 80.2571, 96.8043



75.8792, 80.2571, 68.7042

Complementary

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



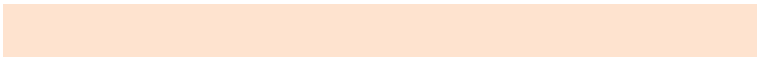
70.5270, 80.2571, 98.9628



69.6777, 66.8100, 62.0481

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.



79.5032, 80.2571, 70.5332



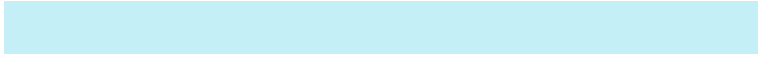
70.5270, 80.2571, 98.9628



83.5542, 80.2571, 86.2359

Square

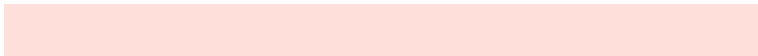
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



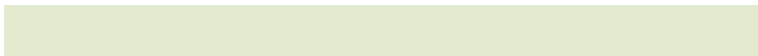
70.5270, 80.2571, 98.9628



80.2237, 80.2571, 105.4157



82.3418, 80.2571, 76.7498



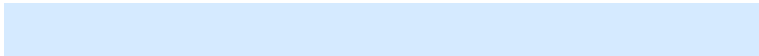
72.4715, 80.2571, 71.5396

Rectangle

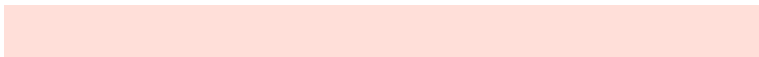
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



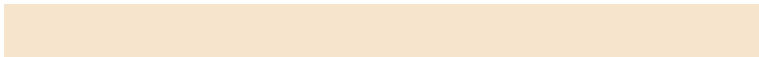
70.5270, 80.2571, 98.9628



75.4576, 80.2571, 109.0577



82.3418, 80.2571, 76.7498



77.1123, 80.2571, 68.7947

Sweetspot

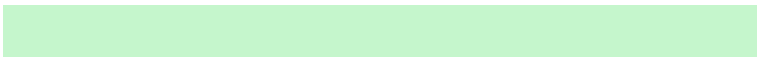
The Sweet Spot groups the original color and five complimentary colors.



70.5294, 80.2604, 98.9646



88.9504, 95.8267, 108.4160



66.8264, 82.1206, 69.1640



18.9027, 20.4168, 23.1945



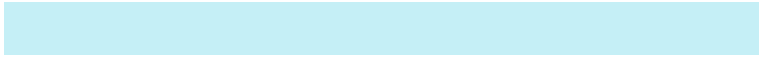
0.0000, 0.0000, 0.0000



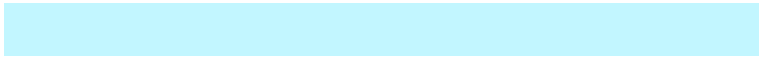
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5294, 80.2604, 98.9646



73.2820, 84.7332, 107.1005



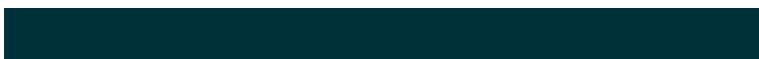
63.9540, 67.1097, 96.7728



16.7832, 18.3307, 21.1962



21.3750, 28.5438, 50.9209



1.9328, 2.6169, 4.4935

Inverse Universe

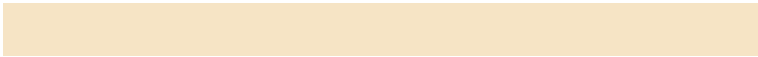
The Inverse Universe completely reimagines the original color for something new.



73.5542, 65.7591, 90.4811



77.1619, 66.4245, 96.1532



75.8381, 79.1307, 64.1016



17.1059, 16.7252, 20.3042



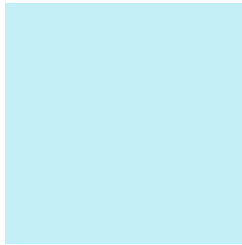
26.5936, 12.9809, 34.1640



2.3646, 1.1518, 3.1465

Previews

White Background



This preview shows how the XYZ color 70.5270, 80.2571, 98.9628 looks on a white background.

Color Contrast Check

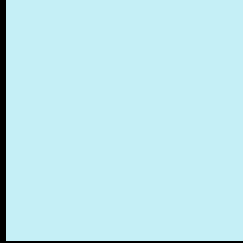
Large Text (above 18pt) WCAG AA × Fail

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 70.5270, 80.2571, 98.9628 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 70.5270, 80.2571, 98.9628

Background



This preview shows how black text looks on a background with the XYZ color 70.5270, 80.2571, 98.9628.

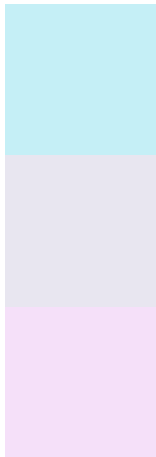


This preview shows how white text looks on a background with the XYZ color 70.5270, 80.2571,

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

70.5270, 80.2571, 98.9628

Protanopia

77.3037, 80.0407, 93.8131

Deuteranopia

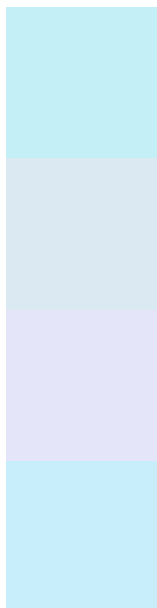
81.4107, 79.5633, 100.6890



Tritanopia

72.4216, 80.2059, 106.2720

Trichromacy



Original Color

70.5270, 80.2571, 98.9628

Protanomaly

74.3793, 79.7487, 95.4772

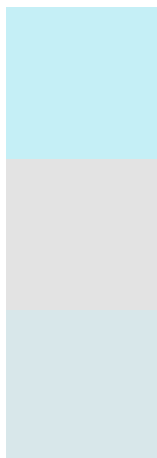
Deuteranomaly

76.9575, 79.3099, 100.0592

Tritanomaly

71.9646, 80.4567, 103.8322

Monochromacy



Original Color

70.5270, 80.2571, 98.9628

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7461, 77.6913, 89.0564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5270, 80.2571, 98.9628 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(197, 239, 246)` looks like.

```
.text, #text, p{  
    color:rgb(197, 239, 246)  
}
```

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(197, 239, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 239, 246) }
```

Border

The CSS property to change the border of an element to XYZ 70.5270, 80.2571, 98.9628 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(197, 239, 246) }
```


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

```
.border{ border-color:rgb(197, 239, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 239, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 239, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 239, 246);  
box-shadow:4px 4px 4px 4px rgb(197, 239,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5270, 80.2571, 98.9628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 239, 246) }
```

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

```
.background{ background-color: rgb(197,  
239, 246) }
```

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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