

Converting Colors

XYZ(66.4488, 71.0755, 97.9136)

Have a look what the booklet for
XYZ(66.4488, 71.0755, 97.9136)
contains.

XYZ(66.4630, 71.1001, 98.2164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.4630, 71.1001,
98.2164)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DEF7
RGB	199, 222, 247
RGB Percent	78%, 87%, 97%
CMY	0.2196, 0.1294, 0.0314
CMYK	0.19, 0.10, 0.00, 0.03
HSL	211°, 75%, 87%
HSV	211°, 19%, 97%
XYZ	66.4630, 71.1001, 98.2164
YIQ	217.9730, -21.7330, 2.8990

Conversions

Conversions Part 2

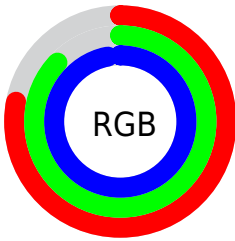
Format	Color
R _Y B	199, 215, 247
Decimal	13098743
CIE Lab	87.53, -2.47, -14.74
CIE LCh	88, 14.943, 260.489
Yxy	71.1001, 0.2819, 0.3016
Android (android.graphics.Color)	4291288823 (0xFFC7DEF7)
YUV	217.9730, 14.3103, -16.6393
Hunter-Lab	84.3209, -6.8651, -10.0360

Details

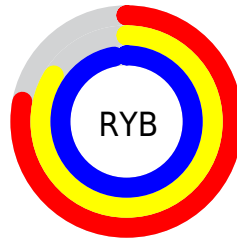
The XYZ color **66.4630, 71.1001, 98.2164** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3229, 77.2091, 64.9674**, and the grayscale version is **66.5390, 70.0042, 76.2345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8997, 37.4188, 54.6733** is the 20% darker color. If you saturate the color by 10%, you get **57.1469, 61.4193, 96.8400**, and if you desaturate by 10%, it is **77.1077, 81.8564, 99.7327**.

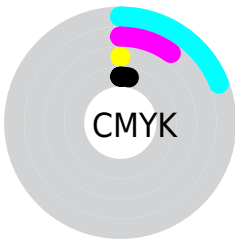
Distribution



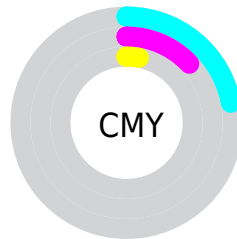
- Red (78%)
- Green (87%)
- Blue (97%)



- Red (78%)
- Yellow (84%)
- Blue (97%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4630, 71.1001, 98.2164 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 66.4630, 71.1001, 98.2164 by changing the saturation by 10% instead.

■ 66.4630, 71.1001,
98.2164

■ 66.4630, 71.1001,
98.2164

437.4935,
464.4033, 575.6568

■ 48.9174, 52.4239,
74.2033

113.2047,
120.7762, 160.7344

■ 34.7683, 37.3431,
54.4626

143.1315,
152.5450, 200.0763

■ 23.6501, 25.4732,
38.5760

177.9161,
189.4467, 245.3649

■ 15.1976, 16.4300,
26.1247

217.9238,
231.8657, 297.0187

■ 9.0454, 9.8289,
16.6904

263.5201,
280.1865, 355.4562

■ 4.8282, 5.2857,
9.8544

315.0702,

■ 2.1805, 2.4158,

334.7934, 421.0961

5.1982

372.9396,
396.0709, 494.3567

■ 0.7324, 0.8340,
2.3032

■ 0.0000, 0.0000,
0.7330

■ 66.4630, 71.1001,
98.2164

■ 66.4630, 71.1001,
98.2164

■ 57.1469, 61.4193,
96.8400

■ 77.1077, 81.8564,
99.7327

■ 49.0961, 52.7673,
95.5943

■ 89.1280, 93.7154,
101.3882

■ 42.2511, 45.1064,
94.4764

■ 93.7887, 99.4955,
102.2582

■ 36.5449, 38.3930,
93.4813

■ 31.9035, 32.5791,
92.6037

■ 28.2426, 27.6114,
91.8378

■ 25.4634, 23.4285,
91.1769

■ 23.4148, 19.9415,
90.6118

■ 23.3106, 19.7592,
90.5822

Harmonies

Analogous

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



63.3509, 71.1001, 93.4043



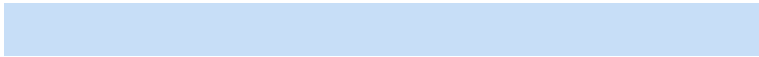
66.4630, 71.1001, 98.2164



69.9825, 71.1001, 97.0926

Triad

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



66.4630, 71.1001, 98.2164



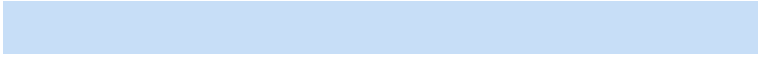
74.1389, 71.1001, 70.8085



62.4755, 71.1001, 65.6939

Complementary

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



66.4630, 71.1001, 98.2164



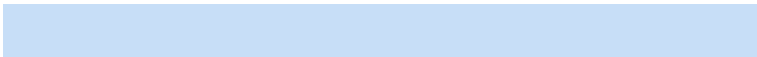
75.3229, 77.2091, 64.9674

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.



65.2302, 71.1001, 60.5952



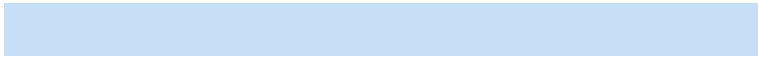
66.4630, 71.1001, 98.2164



71.9901, 71.1001, 63.3648

Square

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



66.4630, 71.1001, 98.2164



74.4970, 71.1001, 80.6730



68.7064, 71.1001, 59.7814



61.1022, 71.1001, 74.2477

Rectangle

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



66.4630, 71.1001, 98.2164



72.0827, 71.1001, 93.1629



68.7064, 71.1001, 59.7814



63.2660, 71.1001, 63.5516

Sweetspot

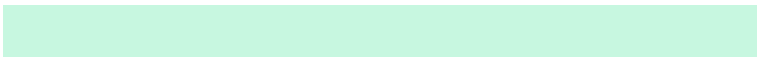
The Sweet Spot groups the original color and five complimentary colors.



66.4651, 71.1030, 98.2180



87.1540, 92.2339, 107.8172



70.2428, 84.0360, 82.8987



18.4776, 19.5665, 23.0528



0.0000, 0.0000, 0.0000



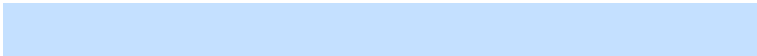
20.3446, 21.4041, 23.3091

Same Dimension

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



66.4651, 71.1030, 98.2180



67.6846, 72.5597, 105.0458



60.9795, 59.8158, 96.3285



16.2364, 17.2370, 21.0139



12.4685, 10.7308, 47.9521



1.1981, 1.1477, 4.2486

Inverse Universe

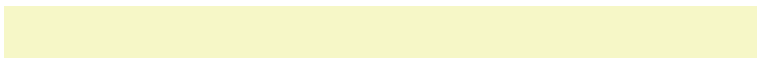
The Inverse Universe completely reimagines the original color for something new.



71.9678, 65.8967, 78.0367



74.5755, 66.3046, 79.7134



81.6471, 90.2753, 67.1561



16.8299, 16.6148, 18.8508



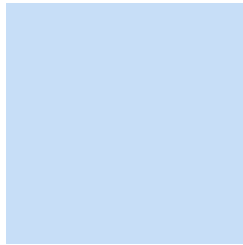
22.0980, 11.1827, 10.4906



1.9938, 1.0035, 1.1939

Previews

White Background



This preview shows how the XYZ color 66.4630, 71.1001, 98.2164 looks on a white background.

Color Contrast Check

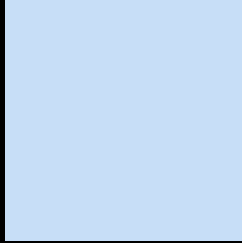
Large Text (above 18pt) WCAG AA × Fail

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 66.4630, 71.1001, 98.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

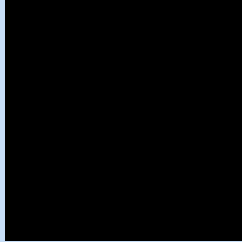
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

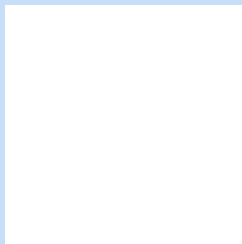
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4630, 71.1001, 98.2164

Background



This preview shows how black text looks on a background with the XYZ color 66.4630, 71.1001, 98.2164.



This preview shows how white text looks on a background with the XYZ color 66.4630, 71.1001,

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

66.4630, 71.1001, 98.2164

Protanopia

69.4609, 70.7563, 95.5843

Deuteranopia

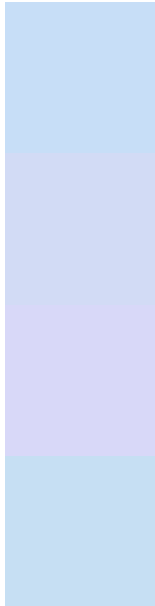
72.2572, 70.5968, 99.4407



Tritanopia

65.5536, 71.1320, 93.4939

Trichromacy



Original Color

66.4630, 71.1001, 98.2164

Protanomaly

68.3913, 70.9572, 96.4777

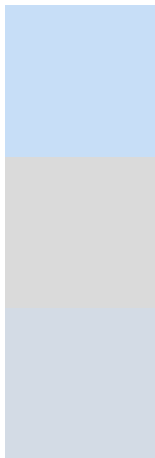
Deuteranomaly

69.8180, 70.4880, 98.7327

Tritanomaly

65.8540, 71.2522, 95.0762

Monochromacy



Original Color

66.4630, 71.1001, 98.2164

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.3383, 70.1691, 84.1763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4630, 71.1001, 98.2164 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(199, 222, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 222, 247)  
}
```

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(199, 222, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 222, 247) }
```

Border

The CSS property to change the border of an element to XYZ 66.4630, 71.1001, 98.2164 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(199, 222, 247) }
```


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

```
.border{ border-color:rgb(199, 222, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 222, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 222, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 222, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 222,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4630, 71.1001, 98.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 222, 247) }
```

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

```
.background{ background-color: rgb(199,  
222, 247) }
```

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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