

Converting Colors

XYZ(67.2770, 71.1554, 98.1048)

Have a look what the booklet for
XYZ(67.2770, 71.1554, 98.1048)
contains.

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Color

**XYZ(67.2736, 71.1248,
98.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	CBDDF7
RGB	203, 221, 247
RGB Percent	80%, 87%, 97%
CMY	0.2039, 0.1333, 0.0314
CMYK	0.18, 0.11, 0.00, 0.03
HSL	215°, 73%, 88%
HSV	215°, 18%, 97%
XYZ	67.2736, 71.1248, 98.1785
YIQ	218.5820, -19.0740, 4.2700

Conversions

Conversions Part 2

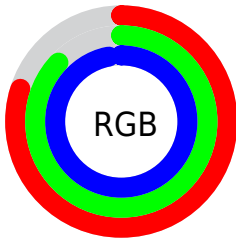
Format	Color
R _{YB}	203, 216, 247
Decimal	13360631
CIE Lab	87.55, -0.72, -14.69
CIE LCh	88, 14.709, 267.179
Yxy	71.1248, 0.2844, 0.3006
Android (android.graphics.Color)	4291550711 (0xFFCBDDF7)
YUV	218.5820, 14.0101, -13.6654
Hunter-Lab	84.3355, -5.1995, -9.9871

Details

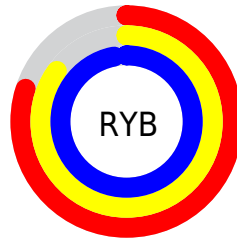
The XYZ color **67.2736, 71.1248, 98.1785** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.1573, 80.1248, 67.9006**, and the grayscale version is **66.9598, 70.4469, 76.7167**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2529, 37.3299, 54.6376** is the 20% darker color. If you saturate the color by 10%, you get **57.3886, 60.5568, 96.6608**, and if you desaturate by 10%, it is **78.5695, 82.9211, 99.8612**.

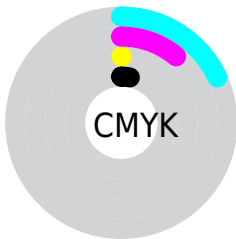
Distribution



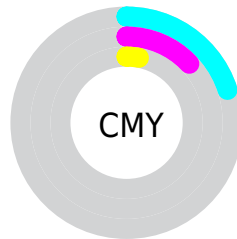
- Red (80%)
- Green (87%)
- Blue (97%)



- Red (80%)
- Yellow (85%)
- Blue (97%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2736, 71.1248, 98.1785 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 67.2736, 71.1248, 98.1785 by changing the saturation by 10% instead.

■ 67.2736, 71.1248,
98.1785

■ 67.2736, 71.1248,
98.1785

440.3352,
464.4896, 575.5336

■ 49.5785, 52.4440,
74.1718

114.3600,
120.8114, 160.6817

■ 35.2950, 37.3591,
54.4370

144.4820,
152.5861, 200.0154

■ 24.0578, 25.4857,
38.5556

179.4771,
189.4941, 245.2951

■ 15.5015, 16.4393,
26.1090

219.7105,
231.9200, 296.9394

■ 9.2607, 9.8355,
16.6787

265.5477,
280.2481, 355.3669

■ 4.9701, 5.2900,
9.8462

317.3540,

■ 2.2643, 2.4184,

334.8628, 420.9960

5.1928

375.4947,
396.1485, 494.2454

■ 0.7763, 0.8353,
2.3001

■ 0.0000, 0.0000,
0.7313

■ 67.2736, 71.1248,
98.1785

■ 67.2736, 71.1248,
98.1785

■ 57.3886, 60.5568,
96.6608

■ 78.5695, 82.9211,
99.8612

■ 48.8489, 51.1652,
95.2981

■ 91.3254, 95.9775,
101.7090

■ 41.5932, 42.9070,
94.0866

■ 93.7887, 99.4955,
102.2582

■ 35.5523, 35.7331,
93.0202

■ 30.6503, 29.5897,
92.0928

■ 26.8013, 24.4178,
91.2974

■ 23.9055, 20.1499,
90.6262

■ 21.8320, 16.7016,
90.0699

■ 21.4482, 16.0344,
89.9614

Harmonies

Analogous

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



64.0435, 71.1248, 94.6690



67.2736, 71.1248, 98.1785



70.7013, 71.1248, 95.7501

Triad

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



67.2736, 71.1248, 98.1785



73.7239, 71.1248, 69.0240



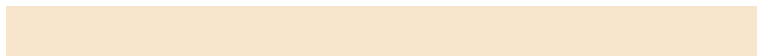
62.1391, 71.1248, 67.5239

Complementary

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



67.2736, 71.1248, 98.1785



77.1573, 80.1248, 67.9006

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.



64.5946, 71.1248, 61.6318



67.2736, 71.1248, 98.1785



71.2899, 71.1248, 62.4443

Square

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



67.2736, 71.1248, 98.1785



74.5000, 71.1248, 78.3886



67.9314, 71.1248, 59.8539



61.1435, 71.1248, 76.5046

Rectangle

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



67.2736, 71.1248, 98.1785



72.6240, 71.1248, 91.1963



67.9314, 71.1248, 59.8539



62.8170, 71.1248, 65.1467

Sweetspot

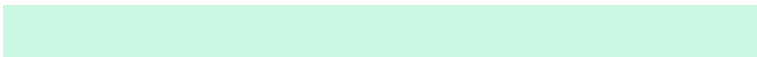
The Sweet Spot groups the original color and five complimentary colors.



67.2757, 71.1277, 98.1801



88.1575, 92.9488, 107.9023



71.9872, 84.8580, 86.4715



18.6689, 19.6887, 23.0663



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.



67.2757, 71.1277, 98.1801



68.7424, 72.6678, 105.0109



63.7851, 62.6465, 96.7270



16.1379, 17.0402, 20.9811



11.4745, 8.7428, 47.6208



1.1069, 0.9653, 4.2182

Inverse Universe

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



72.7666, 67.7083, 77.6436



75.5996, 68.5905, 79.3214



81.1189, 89.9487, 69.5880



16.7802, 16.5949, 18.5891



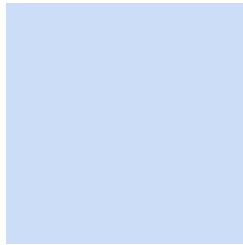
21.5963, 10.9820, 7.8486



1.9478, 0.9851, 0.9514

Previews

White Background



This preview shows how the XYZ color 67.2736, 71.1248, 98.1785 looks on a white background.

Color Contrast Check

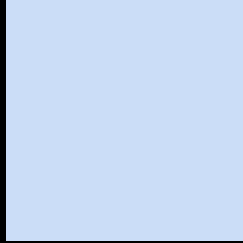
Large Text (above 18pt) WCAG AA × Fail

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 67.2736, 71.1248, 98.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

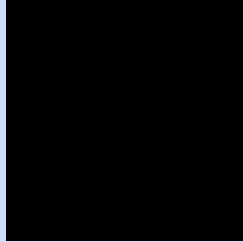
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

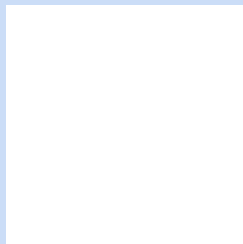
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2736, 71.1248, 98.1785

Background



This preview shows how black text looks on a background with the XYZ color 67.2736, 71.1248, 98.1785.



This preview shows how white text looks on a background with the XYZ color 67.2736, 71.1248,

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

67.2736, 71.1248, 98.1785

Protanopia

69.5772, 71.1825, 96.4587

Deuteranopia

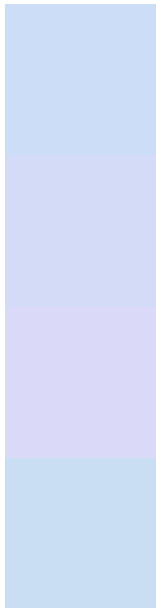
72.8240, 71.2636, 99.5395



Tritanopia

66.2066, 71.0904, 92.6704

Trichromacy



Original Color

67.2736, 71.1248, 98.1785

Protanomaly

68.8300, 71.1657, 97.2974

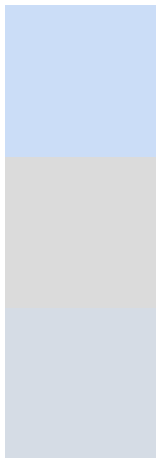
Deuteranomaly

70.6696, 71.3084, 98.8462

Tritanomaly

66.6561, 71.2702, 95.0374

Monochromacy



Original Color

67.2736, 71.1248, 98.1785

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.1766, 70.9897, 84.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2736, 71.1248, 98.1785 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(203, 221, 247)` looks like.

```
.text, #text, p{  
    color:rgb(203, 221, 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(203, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 221, 247) }
```

Border

The CSS property to change the border of an element to XYZ 67.2736, 71.1248, 98.1785 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(203, 221, 247) }
```


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

```
.border{ border-color:rgb(203, 221, 247) }
```

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

Here you see how a box with a 4 pixel rgb(203, 221, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(203, 221,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2736, 71.1248, 98.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 221, 247) }
```

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

```
.background{ background-color: rgb(203,  
221, 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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