

Converting Colors

XYZ(68.6040, 71.7203,
102.3230)

Have a look what the booklet for
XYZ(68.6040, 71.7203, 102.3230)
contains.

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Color

**XYZ(68.6040, 71.7203,
102.3230)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDDFC
RGB	205, 221, 252
RGB Percent	80%, 87%, 99%
CMY	0.1961, 0.1333, 0.0118
CMYK	0.19, 0.12, 0.00, 0.01
HSL	220°, 89%, 90%
HSV	220°, 19%, 99%
XYZ	68.6040, 71.7203, 102.3230
YIQ	219.7500, -19.4870, 6.2490

Conversions

Conversions Part 2

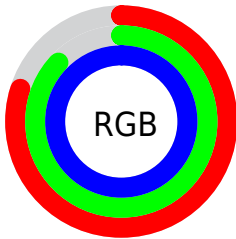
Format	Color
R _Y B	205, 217, 252
Decimal	13491708
CIE Lab	87.83, 0.95, -16.88
CIE LCh	88, 16.903, 273.229
Yxy	71.7203, 0.2827, 0.2956
Android (android.graphics.Color)	4291681788 (0xFFCDDDFC)
YUV	219.7500, 15.8993, -12.9358
Hunter-Lab	84.6878, -3.6043, -12.3549

Details

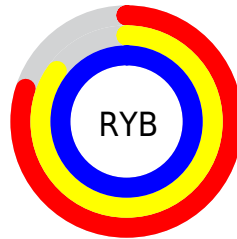
The XYZ color **68.6040, 71.7203, 102.3230** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1605, 85.0942, 69.9066**, and the grayscale version is **67.7575, 71.2862, 77.6306**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0642, 37.6966, 57.0051** is the 20% darker color. If you saturate the color by 10%, you get **58.0318, 60.0767, 100.6339**, and if you desaturate by 10%, it is **80.7346, 84.8157, 104.2125**.

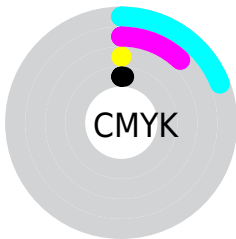
Distribution



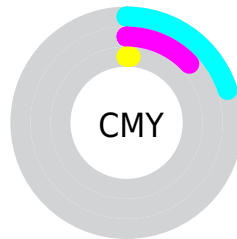
- Red (80%)
- Green (87%)
- Blue (99%)



- Red (80%)
- Yellow (85%)
- Blue (99%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6040, 71.7203, 102.3230 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 68.6040, 71.7203, 102.3230 by changing the saturation by 10% instead.

■ 68.6040, 71.7203,
102.3230

■ 68.6040, 71.7203,
102.3230

444.9763,
466.5675, 588.9252

■ 50.6647, 52.9302,
77.6143

116.2530,
121.6588, 166.4255

■ 36.1618, 37.7471,
57.2426

146.6934,
153.5760, 206.6564

■ 24.7299, 25.7864,
40.7894

182.0315,
190.6377, 252.8985

■ 16.0036, 16.6639,
27.8361

222.6328,
233.2283, 305.5703

■ 9.6176, 9.9952,
17.9642

268.8626,
281.7322, 365.0903

■ 5.2064, 5.3958,
10.7551

321.0862,

■ 2.4049, 2.4813,

336.5337, 431.8771

5.7903

379.6690,
398.0174, 506.3492

■ 0.8475, 0.8672,
2.6513

■ 0.0000, 0.0000,
0.9188

■ 68.6040, 71.7203,
102.3230

■ 68.6040, 71.7203,
102.3230

■ 58.0318, 60.0767,
100.6339

■ 80.7346, 84.8157,
104.2125

■ 48.9452, 49.8235,
99.1338

■ 94.3305, 99.3275,
106.2970

■ 41.2756, 40.9074,
97.8170

■ 94.5709, 99.8084,
106.3771

■ 34.9456, 33.2681,
96.6761

■ 29.8702, 26.8401,
95.7029

■ 25.9535, 21.5510,
94.8884

■ 23.0838, 17.3186,
94.2228

■ 21.1068, 14.0369,
93.6935

■ 20.8828, 13.6521,
93.6311

Harmonies

Analogous

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



64.7480, 71.7203, 99.5515



68.6040, 71.7203, 102.3230



72.4886, 71.7203, 98.0937

Triad

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



68.6040, 71.7203, 102.3230



74.8349, 71.7203, 66.5862



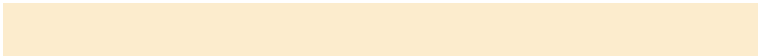
61.5022, 71.7203, 68.5458

Complementary

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



68.6040, 71.7203, 102.3230



81.1605, 85.0942, 69.9066

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.



64.0226, 71.7203, 61.0113



68.6040, 71.7203, 102.3230



71.7064, 71.7203, 59.9605

Square

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



68.6040, 71.7203, 102.3230



76.1737, 71.7203, 76.8518



67.7338, 71.7203, 58.0232



60.7438, 71.7203, 79.3439

Rectangle

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



68.6040, 71.7203, 102.3230



74.5439, 71.7203, 92.0948



67.7338, 71.7203, 58.0232



62.1664, 71.7203, 65.5844

Sweetspot

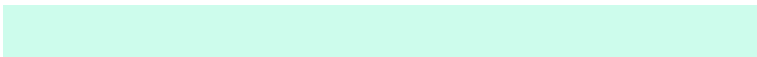
The Sweet Spot groups the original color and five complimentary colors.



68.6062, 71.7232, 102.3246



86.5084, 90.9427, 107.6020



75.0637, 88.6313, 92.1672



18.3252, 19.2617, 23.0020



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.



68.6062, 71.7232, 102.3246



66.6482, 69.4916, 104.5082



66.5694, 64.6972, 101.0758



16.7661, 17.6090, 21.9005



11.0002, 7.3559, 48.8136



1.1129, 0.8694, 4.5523

Inverse Universe

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



75.0291, 69.5804, 77.8857



74.2954, 67.1228, 75.3703



83.4699, 93.4333, 71.3945



17.4885, 17.3227, 19.1620



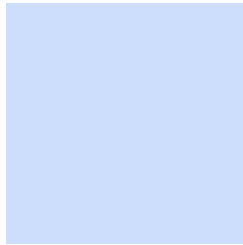
21.8444, 11.1535, 5.8890



2.0707, 1.0520, 0.7955

Previews

White Background



This preview shows how the XYZ color 68.6040, 71.7203, 102.3230 looks on a white background.

Color Contrast Check

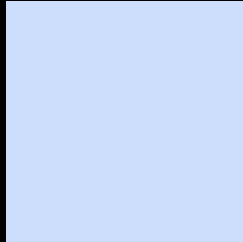
Large Text (above 18pt) WCAG AA × Fail

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 68.6040, 71.7203, 102.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

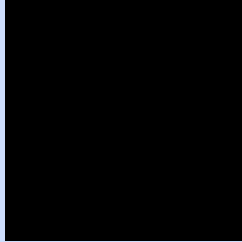
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6040, 71.7203, 102.3230

Background



This preview shows how black text looks on a background with the XYZ color 68.6040, 71.7203, 102.3230.



This preview shows how white text looks on a background with the XYZ color 68.6040, 71.7203,

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

68.6040, 71.7203, 102.3230

Protanopia

70.3511, 71.4920, 100.5339

Deuteranopia

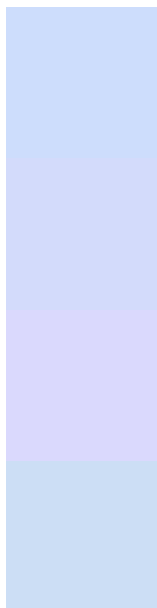
73.0814, 71.7003, 102.9162



Tritanopia

66.8935, 71.8227, 93.5566

Trichromacy



Original Color

68.6040, 71.7203, 102.3230

Protanomaly

69.6081, 71.4770, 101.3945

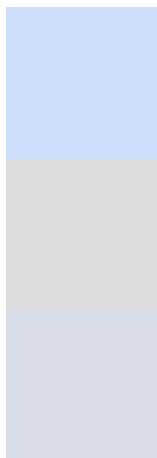
Deuteranomaly

71.4559, 71.6230, 102.9870

Tritanomaly

67.5045, 71.6725, 96.6625

Monochromacy



Original Color

68.6040, 71.7203, 102.3230

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1830, 71.4597, 86.5434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6040, 71.7203, 102.3230 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, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 252)  
}
```

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, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 252) }
```

Border

The CSS property to change the border of an element to XYZ 68.6040, 71.7203, 102.3230 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, 221, 252) }
```


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

```
.border{ border-color:rgb(205, 221, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 221, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6040, 71.7203, 102.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 252) }
```

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

```
.background{ background-color: rgb(205,  
221, 252) }
```

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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