

Converting Colors

XYZ(66.6557, 70.0064,
102.9234)

Have a look what the booklet for
XYZ(66.6557, 70.0064, 102.9234)
contains.

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Color

**XYZ(66.6143, 69.8970,
102.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DBFD
RGB	199, 219, 253
RGB Percent	78%, 86%, 99%
CMY	0.2196, 0.1412, 0.0078
CMYK	0.21, 0.13, 0.00, 0.01
HSL	218°, 93%, 89%
HSV	218°, 21%, 99%
XYZ	66.6143, 69.8970, 102.9090
YIQ	216.8960, -22.8340, 6.3340

Conversions

Conversions Part 2

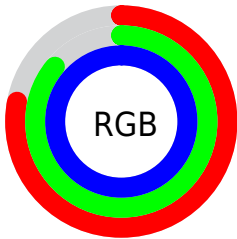
Format	Color
R _Y B	199, 214, 253
Decimal	13097981
CIE Lab	86.95, 0.40, -18.78
CIE LCh	87, 18.784, 271.217
Yxy	69.8970, 0.2782, 0.2919
Android (android.graphics.Color)	4291288061 (0xFFC7DBFD)
YUV	216.8960, 17.7993, -15.6948
Hunter-Lab	83.6044, -4.0826, -14.4572

Details

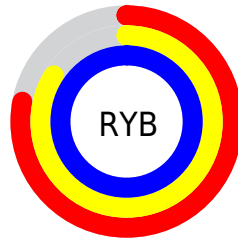
The XYZ color **66.6143, 69.8970, 102.9090** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9564, 83.2841, 65.8957**, and the grayscale version is **65.7770, 69.2025, 75.3616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7409, 36.4657, 57.4321** is the 20% darker color. If you saturate the color by 10%, you get **56.4931, 58.8043, 101.3025**, and if you desaturate by 10%, it is **78.2534, 82.3661, 104.7035**.

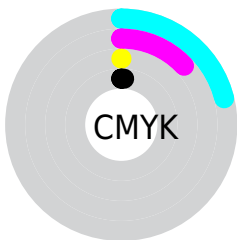
Distribution



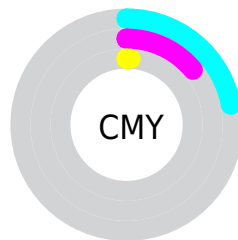
- Red (78%)
- Green (86%)
- Blue (99%)



- Red (78%)
- Yellow (84%)
- Blue (99%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6143, 69.8970, 102.9090 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 66.6143, 69.8970, 102.9090 by changing the saturation by 10% instead.

■ 66.6143, 69.8970,
102.9090

■ 66.6143, 69.8970,
102.9090

438.0247,
460.1883, 590.8056

■ 49.0408, 51.4426,
78.1018

113.4204,
119.0619, 167.2357

■ 34.8665, 36.5609,
57.6407

143.3837,
150.5411, 207.5924

■ 23.7261, 24.8677,
41.1070

178.2077,
187.1307, 253.9692

■ 15.2542, 15.9785,
28.0824

218.2577,
229.2151, 306.7848

■ 9.0855, 9.5090,
18.1482

263.8990,
277.1786, 366.4577

■ 4.8545, 5.0746,
10.8859

315.4971,

■ 2.1960, 2.2911,

331.4057, 433.4064

5.8770

373.4172,
392.2808, 508.0496

■ 0.7406, 0.7690,
2.7028

■ 0.0000, 0.0000,
0.9449

■ 66.6143, 69.8970,
102.9090

■ 66.6143, 69.8970,
102.9090

■ 56.4931, 58.8043,
101.3025

■ 78.2534, 82.3661,
104.7035

■ 47.8171, 49.0287,
99.8729

■ 91.4660, 96.2507,
106.6871

■ 40.5171, 40.5190,
98.6151

■ 94.7298, 99.8719,
107.2140

■ 34.5152, 33.2170,
97.5220

■ 29.7250, 27.0592,
96.5859

■ 26.0483, 21.9747,
95.7983

■ 23.3690, 17.8823,
95.1496

■ 21.7073, 15.0468,
94.6899

Harmonies

Analogous

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



62.4549, 69.8970, 99.3080



66.6143, 69.8970, 102.9090



70.9042, 69.8970, 98.6966

Triad

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



66.6143, 69.8970, 102.9090



73.9147, 69.8970, 64.2574



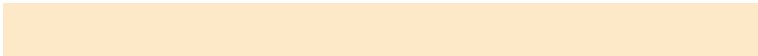
59.3115, 69.8970, 65.0545

Complementary

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



66.6143, 69.8970, 102.9090



79.9564, 83.2841, 65.8957

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.



62.1576, 69.8970, 57.2557



66.6143, 69.8970, 102.9090



70.5807, 69.8970, 56.8324

Square

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



66.6143, 69.8970, 102.9090



75.2319, 69.8970, 75.5941



66.2560, 69.8970, 54.4147



58.3520, 69.8970, 76.6201

Rectangle

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



66.6143, 69.8970, 102.9090



73.2311, 69.8970, 92.2662



66.2560, 69.8970, 54.4147



60.0730, 69.8970, 61.9522

Sweetspot

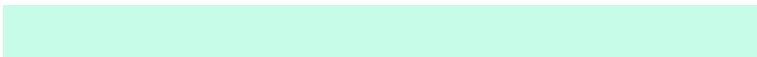
The Sweet Spot groups the original color and five complimentary colors.



66.6164, 69.8998, 102.9106



86.6471, 91.2201, 107.6482



73.2880, 88.2373, 89.7377



18.3579, 19.3272, 23.0129



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.



66.6164, 69.8998, 102.9106



62.8212, 65.7191, 103.9818



63.4143, 60.9622, 101.3542



17.5541, 18.4798, 22.8917



11.6747, 8.2590, 50.4134



1.2370, 1.0048, 4.9420

Inverse Universe

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



73.7193, 66.8457, 76.0381



71.4162, 62.3435, 71.3924



83.6874, 94.0950, 67.7858



18.2876, 18.0983, 20.1315



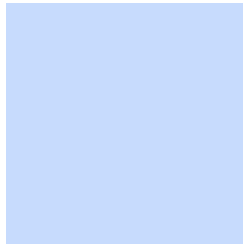
22.6810, 11.5617, 6.9709



2.2590, 1.1460, 0.9454

Previews

White Background



This preview shows how the XYZ color 66.6143, 69.8970, 102.9090 looks on a white background.

Color Contrast Check

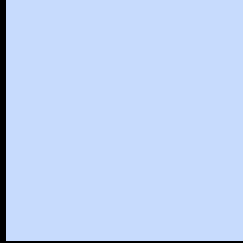
Large Text (above 18pt) WCAG AA × Fail

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 66.6143, 69.8970, 102.9090 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

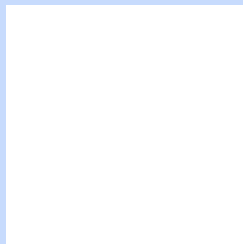
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6143, 69.8970, 102.9090

Background



This preview shows how black text looks on a background with the XYZ color 66.6143, 69.8970, 102.9090.



This preview shows how white text looks on a background with the XYZ color 66.6143, 69.8970,

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

66.6143, 69.8970, 102.9090

Protanopia

68.8324, 69.9257, 101.1359

Deuteranopia

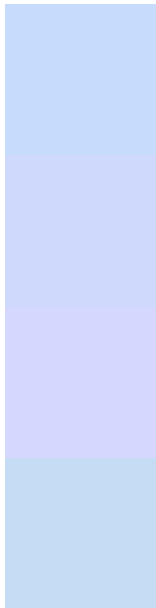
71.2517, 69.6149, 103.4476



Tritanopia

64.2014, 69.6807, 91.7273

Trichromacy



Original Color

66.6143, 69.8970, 102.9090

Protanomaly

68.1157, 69.9194, 102.0012

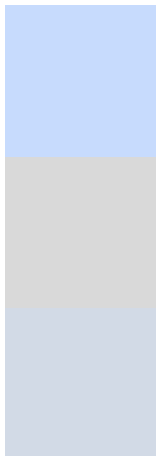
Deuteranomaly

69.6304, 69.9028, 103.5886

Tritanomaly

64.9483, 69.5884, 95.5967

Monochromacy



Original Color

66.6143, 69.8970, 102.9090

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.9327, 69.5576, 84.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6143, 69.8970, 102.9090 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, 219, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 253)  
}
```

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, 219, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 253) }
```

Border

The CSS property to change the border of an element to XYZ 66.6143, 69.8970, 102.9090 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, 219, 253) }
```


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

```
.border{ border-color:rgb(199, 219, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 219, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 219, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 219, 253);  
box-shadow:4px 4px 4px 4px rgb(199, 219,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6143, 69.8970, 102.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 253) }
```

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

```
.background{ background-color: rgb(199,  
219, 253) }
```

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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