

Converting Colors

XYZ(66.2542, 69.6512,
100.0230)

Have a look what the booklet for
XYZ(66.2542, 69.6512, 100.0230)
contains.

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Color

**XYZ(66.4063, 69.8445,
100.4238)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DBFA
RGB	200, 219, 250
RGB Percent	78%, 86%, 98%
CMY	0.2157, 0.1412, 0.0196
CMYK	0.20, 0.12, 0.00, 0.02
HSL	217°, 83%, 88%
HSV	217°, 20%, 98%
XYZ	66.4063, 69.8445, 100.4238
YIQ	216.8530, -21.2750, 5.6130

Conversions

Conversions Part 2

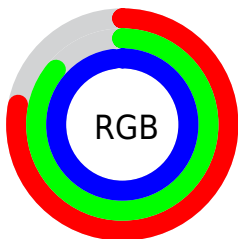
Format	Color
R _Y B	200, 214, 250
Decimal	13163514
CIE Lab	86.92, 0.05, -17.23
CIE LCh	87, 17.231, 270.157
Yxy	69.8445, 0.2806, 0.2951
Android (android.graphics.Color)	4291353594 (0xFFC8DBFA)
YUV	216.8530, 16.3415, -14.7801
Hunter-Lab	83.5730, -4.4184, -12.7435

Details

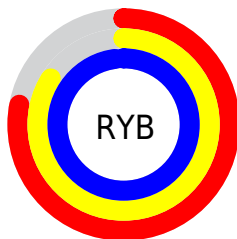
The XYZ color **66.4063, 69.8445, 100.4238** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.4264, 81.6463, 66.2712**, and the grayscale version is **65.7565, 69.1810, 75.3381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5782, 36.4209, 55.6596** is the 20% darker color. If you saturate the color by 10%, you get **56.4109, 58.9675, 98.8523**, and if you desaturate by 10%, it is **77.8742, 82.0430, 102.1751**.

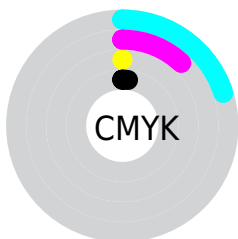
Distribution



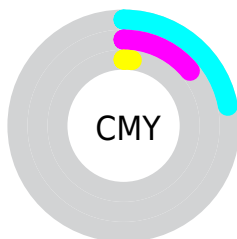
- Red (78%)
- Green (86%)
- Blue (98%)



- Red (78%)
- Yellow (84%)
- Blue (98%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4063, 69.8445, 100.4238 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 66.4063, 69.8445, 100.4238 by changing the saturation by 10% instead.

■ 66.4063, 69.8445,
100.4238

■ 66.4063, 69.8445,
100.4238

437.2943,
460.0038, 582.8088

■ 48.8712, 51.3998,
76.0357

113.1238,
118.9870, 163.7964

■ 34.7315, 36.5269,
55.9549

143.0369,
150.4535, 203.6180

■ 23.6216, 24.8414,
39.7630

177.8068,
187.0294, 249.4211

■ 15.1764, 15.9589,
27.0414

217.7987,
229.0992, 301.6243

■ 9.0304, 9.4951,
17.3716

263.3780,
277.0471, 360.6461

■ 4.8183, 5.0655,
10.3351

314.9102,

■ 2.1747, 2.2857,

331.2576, 426.9051

5.5132

372.7605,
392.1150, 500.8199

■ 0.7294, 0.7661,
2.4874

■ 0.0000, 0.0000,
0.8335

■ 66.4063, 69.8445,
100.4238

■ 66.4063, 69.8445,
100.4238

■ 56.4109, 58.9675,
98.8523

■ 77.8742, 82.0430,
102.1751

■ 47.8183, 49.3557,
97.4499

■ 90.8674, 95.5996,
104.1069

■ 40.5626, 40.9609,
96.2120

■ 94.2555, 99.6822,
104.7164

■ 34.5697, 33.7284,
95.1318

■ 29.7575, 27.5985,
94.2022

■ 26.0332, 22.5047,
93.4153

■ 23.2877, 18.3714,
92.7622

■ 21.3489, 15.0888,
92.2308

■ 21.3487, 15.0886,
92.2308

Harmonies

Analogous

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



62.6096, 69.8445, 96.9292



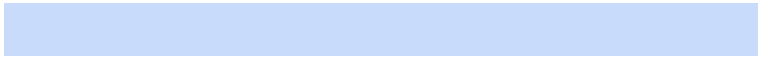
66.4063, 69.8445, 100.4238



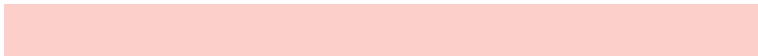
70.3476, 69.8445, 96.8578

Triad

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



66.4063, 69.8445, 100.4238



73.3009, 69.8445, 65.4533



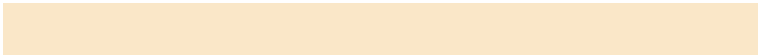
59.8988, 69.8445, 65.5484

Complementary

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



66.4063, 69.8445, 100.4238



78.4264, 81.6463, 66.2712

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.



62.5743, 69.8445, 58.4565



66.4063, 69.8445, 100.4238



70.3094, 69.8445, 58.4055

Square

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



66.4063, 69.8445, 100.4238



74.4250, 69.8445, 75.9881



66.3639, 69.8445, 55.9763



58.9461, 69.8445, 76.1095

Rectangle

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



66.4063, 69.8445, 100.4238



72.5034, 69.8445, 91.1440



66.3639, 69.8445, 55.9763



60.6211, 69.8445, 62.7196

Sweetspot

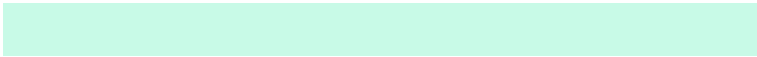
The Sweet Spot groups the original color and five complimentary colors.



66.4084, 69.8474, 100.4254



86.6917, 91.3095, 107.6631



72.4068, 86.4120, 88.3424



18.3685, 19.3482, 23.0164



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.



66.4084, 69.8474, 100.4254



65.0748, 68.3188, 104.3648



63.3186, 61.3105, 98.9405



16.8237, 17.7241, 21.9197



11.4517, 8.2589, 48.9641



1.1593, 0.9622, 4.5678

Inverse Universe

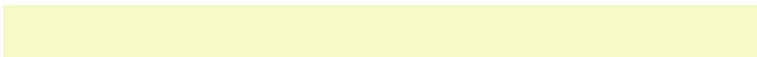
The Inverse Universe completely reimagines the original color for something new.



72.8666, 66.7489, 76.0643



73.0193, 64.7674, 74.3384



81.9783, 91.8055, 68.0449



17.5175, 17.3344, 19.3151



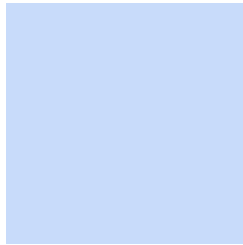
22.0723, 11.2446, 7.0892



2.0941, 1.0614, 0.9188

Previews

White Background



This preview shows how the XYZ color 66.4063, 69.8445, 100.4238 looks on a white background.

Color Contrast Check

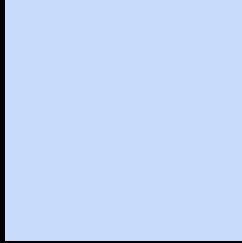
Large Text (above 18pt) WCAG AA × Fail

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 66.4063, 69.8445, 100.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

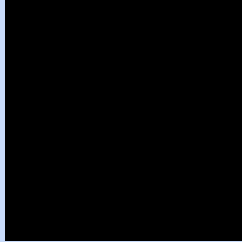
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4063, 69.8445, 100.4238

Background



This preview shows how black text looks on a background with the XYZ color 66.4063, 69.8445, 100.4238.



This preview shows how white text looks on a background with the XYZ color 66.4063, 69.8445,

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

66.4063, 69.8445, 100.4238

Protanopia

68.6505, 69.8861, 98.6780

Deuteranopia

71.0803, 69.5816, 100.9510



Tritanopia

64.7251, 69.9507, 91.7518

Trichromacy



Original Color

66.4063, 69.8445, 100.4238

Protanomaly

67.9242, 69.8752, 99.5298

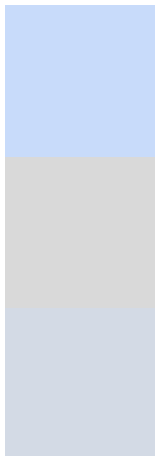
Deuteranomaly

69.4446, 69.8621, 101.0914

Tritanomaly

65.3240, 69.7996, 94.8237

Monochromacy



Original Color

66.4063, 69.8445, 100.4238

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.0782, 69.6488, 84.0896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4063, 69.8445, 100.4238 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(200, 219, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 250)  
}
```

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(200, 219, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 250) }
```

Border

The CSS property to change the border of an element to XYZ 66.4063, 69.8445, 100.4238 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(200, 219, 250) }
```


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

```
.border{ border-color:rgb(200, 219, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4063, 69.8445, 100.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 250) }
```

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

```
.background{ background-color: rgb(200,  
219, 250) }
```

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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