

Converting Colors

XYZ(64.9778, 64.2136,
101.8983)

Have a look what the booklet for
XYZ(64.9778, 64.2136, 101.8983)
contains.

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Color

**XYZ(64.9778, 64.2136,
101.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	CDCEFD
RGB	205, 206, 253
RGB Percent	80%, 81%, 99%
CMY	0.1961, 0.1921, 0.0078
CMYK	0.19, 0.19, 0.00, 0.01
HSL	239°, 92%, 90%
HSV	239°, 19%, 99%
XYZ	64.9778, 64.2136, 101.8983
YIQ	211.0590, -15.6830, 14.4050

Conversions

Conversions Part 2

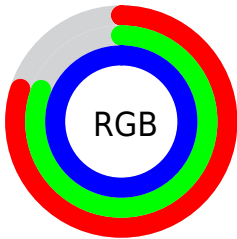
Format	Color
R _Y B	205, 206, 253
Decimal	13487869
CIE Lab	84.08, 9.10, -23.08
CIE LCh	84, 24.811, 291.517
Yxy	64.2136, 0.2812, 0.2779
Android (android.graphics.Color)	4291677949 (0xFFCDCEFD)
YUV	211.0590, 20.6769, -5.3137
Hunter-Lab	80.1334, 4.5070, -19.3003

Details

The XYZ color **64.9778, 64.2136, 101.8983** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.3385, 94.9114, 71.5286**, and the grayscale version is **61.8327, 65.0528, 70.8425**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7697, 32.9260, 56.8001** is the 20% darker color. If you saturate the color by 10%, you get **53.0542, 49.9019, 99.7654**, and if you desaturate by 10%, it is **78.9737, 80.9919, 104.4002**.

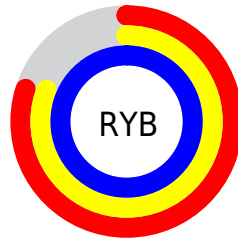
Distribution



Red (80%)

Green (81%)

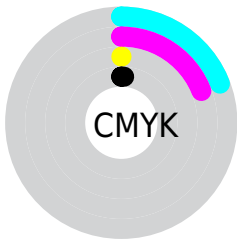
Blue (99%)



Red (80%)

Yellow (81%)

Blue (99%)

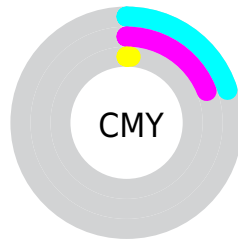


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (19%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9778, 64.2136, 101.8983 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 64.9778, 64.2136, 101.8983 by changing the saturation by 10% instead.

■ 64.9778, 64.2136,
101.8983

■ 64.9778, 64.2136,
101.8983

432.2587,
439.9606, 587.5604

■ 47.7077, 46.8237,
77.2611

111.0838,
110.9185, 165.8380

■ 33.8058, 32.8963,
56.9544

140.6505,
141.0023, 205.9777

■ 22.9066, 22.0470,
40.5595

175.0467,
176.0862, 252.1219

■ 14.6449, 13.8915,
27.6579

214.6378,
216.5545, 304.6892

■ 8.6552, 8.0452,
17.8312

259.7892,
262.7917, 364.0981

■ 4.5723, 4.1239,
10.6607

310.8663,

■ 2.0307, 1.7431,

315.1822, 430.7673

5.7279

368.2343,
374.1104, 505.1152

■ 0.6511, 0.4513,
2.6142

■ 0.0000, 0.0000,
0.8998

■ 64.9778, 64.2136,
101.8983

■ 64.9778, 64.2136,
101.8983

■ 53.0542, 49.9019,
99.7654

■ 78.9737, 80.9919,
104.4002

■ 43.0988, 37.9332,
97.9799

94.7298, 99.8719,
107.2140

■ 35.0077, 28.1851,
96.5247

■ 28.6647, 20.5210,
95.3797

■ 23.9412, 14.7892,
94.5223

■ 20.6902, 10.8174,
93.9271

■ 18.7388, 8.4030,
93.5639

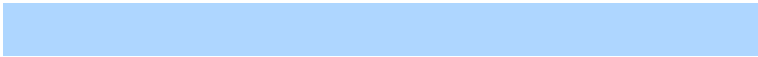
■ 17.8474, 7.2786,
93.3938

■ 17.7871, 7.2065,
93.3831

Harmonies

Analogous

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



59.4926, 64.2136, 104.1930



64.9778, 64.2136, 101.8983



69.6538, 64.2136, 90.4164

Triad

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



64.9778, 64.2136, 101.8983



67.8241, 64.2136, 48.8655



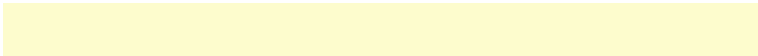
51.1981, 64.2136, 65.5619

Complementary

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



64.9778, 64.2136, 101.8983



86.3385, 94.9114, 71.5286

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.



53.1548, 64.2136, 52.7780



64.9778, 64.2136, 101.8983



62.6000, 64.2136, 44.1278

Square

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



64.9778, 64.2136, 101.8983



71.3643, 64.2136, 59.4285



57.2514, 64.2136, 45.4444



51.7504, 64.2136, 81.5737

Rectangle

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



64.9778, 64.2136, 101.8983



71.5761, 64.2136, 79.9224



57.2514, 64.2136, 45.4444



51.5798, 64.2136, 60.7849

Sweetspot

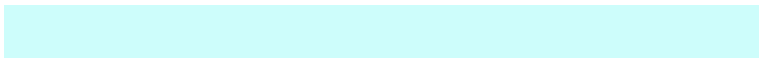
The Sweet Spot groups the original color and five complimentary colors.



64.9798, 64.2162, 101.8997



85.0492, 88.0243, 107.1156



77.7792, 90.2213, 104.9139



17.9814, 18.5742, 22.8874



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.



64.9798, 64.2162, 101.8997



61.0029, 59.1964, 102.8186



71.3674, 67.1523, 102.1298



17.0334, 17.4384, 22.7181



9.4748, 3.8592, 49.6801



0.9328, 0.3962, 4.8406

Inverse Universe

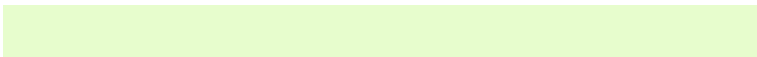
The Inverse Universe completely reimagines the original color for something new.



73.4816, 69.0033, 67.8414



71.2029, 64.9555, 61.9537



78.9721, 91.5821, 71.2742



18.0248, 17.9932, 18.7475



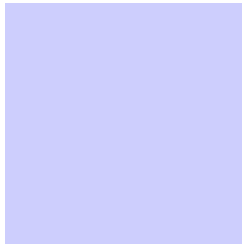
21.5707, 11.1176, 1.1236



2.1054, 1.0845, 0.1366

Previews

White Background



This preview shows how the XYZ color 64.9778, 64.2136, 101.8983 looks on a white background.

Color Contrast Check

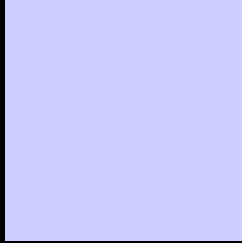
Large Text (above 18pt) WCAG AA × Fail

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 64.9778, 64.2136, 101.8983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

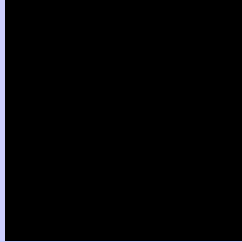
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9778, 64.2136, 101.8983

Background



This preview shows how black text looks on a background with the XYZ color 64.9778, 64.2136, 101.8983.



This preview shows how white text looks on a background with the XYZ color 64.9778, 64.2136,

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

64.9778, 64.2136, 101.8983

Protanopia

63.9985, 64.4096, 102.8252

Deuteranopia

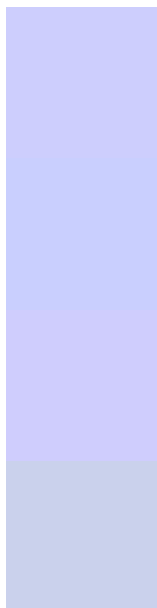
65.5734, 64.1644, 101.8574



Tritanopia

60.9788, 64.4139, 81.8923

Trichromacy



Original Color

64.9778, 64.2136, 101.8983

Protanomaly

64.2896, 64.1989, 102.7691

Deuteranomaly

65.2931, 64.0199, 101.8443

Tritanomaly

62.2979, 64.2136, 88.4679

Monochromacy



Original Color

64.9778, 64.2136, 101.8983

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.8224, 64.6472, 81.1186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9778, 64.2136, 101.8983 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, 206, 253)` looks like.

```
.text, #text, p{  
    color:rgb(205, 206, 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(205, 206, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 206, 253) }
```

Border

The CSS property to change the border of an element to XYZ 64.9778, 64.2136, 101.8983 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, 206, 253) }
```


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

```
.border{ border-color:rgb(205, 206, 253) }
```

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

Here you see how a box with a 4 pixel rgb(205, 206, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(205, 206,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9778, 64.2136, 101.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 206, 253) }
```

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

```
.background{ background-color: rgb(205,  
206, 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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