

Converting Colors

XYZ(63.9096, 65.1597, 92.0400)

Have a look what the booklet for
XYZ(63.9096, 65.1597, 92.0400)
contains.

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Color

**XYZ(64.1006, 65.4232,
92.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD2F1
RGB	205, 210, 241
RGB Percent	80%, 82%, 95%
CMY	0.1961, 0.1765, 0.0549
CMYK	0.15, 0.13, 0.00, 0.05
HSL	232°, 56%, 87%
HSV	232°, 15%, 95%
XYZ	64.1006, 65.4232, 92.4686
YIQ	212.0390, -12.9310, 8.5810

Conversions

Conversions Part 2

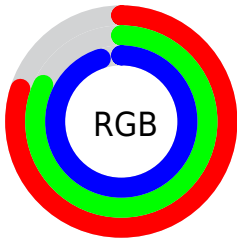
Format	Color
R _Y B	205, 209, 241
Decimal	13488881
CIE Lab	84.70, 4.42, -15.77
CIE LCh	85, 16.381, 285.643
Yxy	65.4232, 0.2888, 0.2947
Android (android.graphics.Color)	4291678961 (0xFFCDD2F1)
YUV	212.0390, 14.2778, -6.1732
Hunter-Lab	80.8846, -0.0878, -11.1621

Details

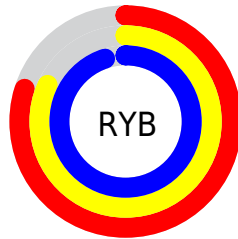
The XYZ color **64.1006, 65.4232, 92.4686** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.2909, 83.0991, 69.7251**, and the grayscale version is **62.5211, 65.7771, 71.6312**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4079, 33.8590, 50.6736** is the 20% darker color. If you saturate the color by 10%, you get **53.1627, 52.6673, 90.5840**, and if you desaturate by 10%, it is **76.7308, 80.0410, 94.6255**.

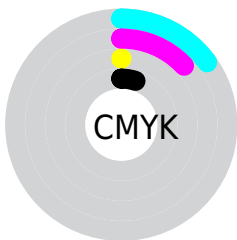
Distribution



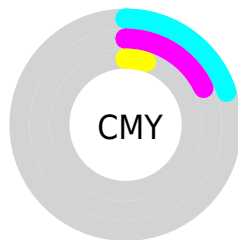
- Red (80%)
- Green (82%)
- Blue (95%)



- Red (80%)
- Yellow (82%)
- Blue (95%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1006, 65.4232, 92.4686 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 64.1006, 65.4232, 92.4686 by changing the saturation by 10% instead.

■ 64.1006, 65.4232,
92.4686

■ 64.1006, 65.4232,
92.4686

429.1493,
444.3112, 556.8048

■ 46.9941, 47.8043,
69.4447

109.8287,
112.6581, 152.7280

■ 33.2390, 33.6720,
50.6000

139.1811,
143.0428, 190.8006

■ 22.4697, 22.6417,
35.5158

173.3462,
178.4517, 234.7265

■ 14.3209, 14.3292,
23.7738

212.6893,
219.2691, 284.9243

■ 8.4274, 8.3500,
14.9552

257.5758,
265.8793, 341.8125

■ 4.4237, 4.3197,
8.6417

308.3711,

■ 1.9445, 1.8540,

318.6668, 405.8096

4.4146

365.4405,
378.0160, 477.3342

■ 0.6025, 0.5205,
1.8554

■ 0.0000, 0.0000,
0.4642

■ 64.1006, 65.4232,
92.4686

■ 64.1006, 65.4232,
92.4686

■ 53.1627, 52.6673,
90.5840

■ 76.7308, 80.0410,
94.6255

■ 43.8390, 41.6903,
88.9566

■ 91.1149, 96.5832,
97.0603

■ 36.0542, 32.4151,
87.5767

■ 92.8774, 99.1310,
97.4592

■ 29.7246, 24.7557,
86.4318

■ 24.7583, 18.6185,
85.5090

■ 21.0530, 13.8998,
84.7935

■ 18.4913, 10.4830,
84.2690

■ 16.9324, 8.2316,
83.9166

■ 16.4349, 7.4661,
83.7950

Harmonies

Analogous

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



60.4533, 65.4232, 92.6081



64.1006, 65.4232, 92.4686



67.3537, 65.4232, 86.2816

Triad

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



64.1006, 65.4232, 92.4686



67.2359, 65.4232, 57.7687



55.6086, 65.4232, 66.3512

Complementary

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



64.1006, 65.4232, 92.4686



77.2909, 83.0991, 69.7251

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.



57.2835, 65.4232, 58.0476



64.1006, 65.4232, 92.4686



63.9449, 65.4232, 53.4323

Square

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



64.1006, 65.4232, 92.4686



69.2118, 65.4232, 65.9349



60.3036, 65.4232, 53.5291



55.6466, 65.4232, 76.8112

Rectangle

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



64.1006, 65.4232, 92.4686



68.8196, 65.4232, 79.8782



60.3036, 65.4232, 53.5291



55.9870, 65.4232, 63.2385

Sweetspot

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



64.1026, 65.4259, 92.4701



88.6584, 92.6404, 107.8163



71.7156, 81.9238, 91.0867



18.7270, 19.5411, 23.0347



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.



64.1026, 65.4259, 92.4701



68.7952, 69.6348, 104.4227



66.5038, 64.8588, 92.2340



15.0744, 15.5829, 19.9349



8.9686, 4.1614, 45.4584



0.8009, 0.4557, 3.8000

Inverse Universe

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



69.7414, 67.0181, 70.2359



76.3923, 71.8409, 74.4531



74.5979, 83.8790, 70.0175



15.8622, 15.7946, 16.8308



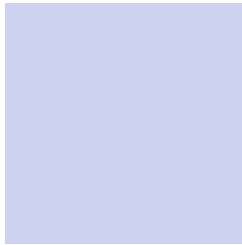
19.8525, 10.2134, 1.8741



1.6792, 0.8607, 0.3015

Previews

White Background



This preview shows how the XYZ color 64.1006, 65.4232, 92.4686 looks on a white background.

Color Contrast Check

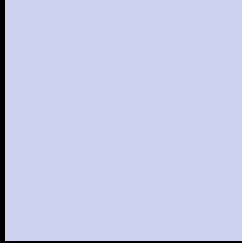
Large Text (above 18pt) WCAG AA × Fail

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 64.1006, 65.4232, 92.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

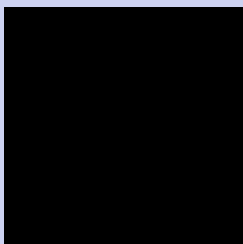
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1006, 65.4232, 92.4686

Background



This preview shows how black text looks on a background with the XYZ color 64.1006, 65.4232, 92.4686.

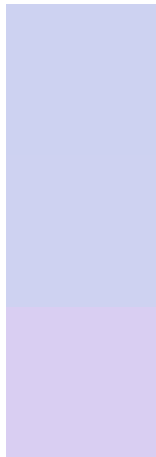


This preview shows how white text looks on a background with the XYZ color 64.1006, 65.4232,

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

64.1006, 65.4232, 92.4686

Protanopia

64.3774, 65.5659, 92.4815

Deuteranopia

66.7136, 65.3051, 93.0934



Tritanopia

62.3149, 65.4406, 83.4757

Trichromacy



Original Color

64.1006, 65.4232, 92.4686

Protanomaly

64.3774, 65.5659, 92.4815

Deuteranomaly

65.7804, 65.1826, 93.1189

Tritanomaly

62.9041, 65.3091, 86.3813

Monochromacy



Original Color

64.1006, 65.4232, 92.4686

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.9080, 65.4716, 79.1337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1006, 65.4232, 92.4686 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, 210, 241)` looks like.

```
.text, #text, p{  
    color:rgb(205, 210, 241)  
}
```

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, 210, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 210, 241) }
```

Border

The CSS property to change the border of an element to XYZ 64.1006, 65.4232, 92.4686 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, 210, 241) }
```


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

```
.border{ border-color:rgb(205, 210, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 210, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 210, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 210, 241);  
box-shadow:4px 4px 4px 4px rgb(205, 210,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1006, 65.4232, 92.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 210, 241) }
```

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

```
.background{ background-color: rgb(205,  
210, 241) }
```

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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