

Converting Colors

XYZ(64.7953, 67.2519, 93.3900)

Have a look what the booklet for
XYZ(64.7953, 67.2519, 93.3900)
contains.

XYZ(64.7022, 67.2004, 93.5652)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.7022, 67.2004,
93.5652)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD6F2
RGB	203, 214, 242
RGB Percent	80%, 84%, 95%
CMY	0.2039, 0.1608, 0.0510
CMYK	0.16, 0.12, 0.00, 0.05
HSL	223°, 60%, 87%
HSV	223°, 16%, 95%
XYZ	64.7022, 67.2004, 93.5652
YIQ	213.9030, -15.5440, 6.3760

Conversions

Conversions Part 2

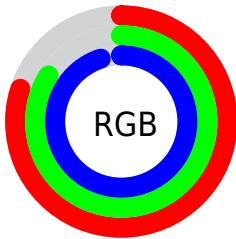
Format	Color
R _Y B	203, 212, 242
Decimal	13358834
CIE Lab	85.61, 1.89, -14.96
CIE LCh	86, 15.081, 277.197
Yxy	67.2004, 0.2870, 0.2980
Android (android.graphics.Color)	4291548914 (0xFFCBD6F2)
YUV	213.9030, 13.8518, -9.5619
Hunter-Lab	81.9759, -2.5706, -10.2890

Details

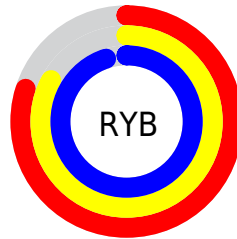
The XYZ color **64.7022, 67.2004, 93.5652** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.9740, 80.3409, 68.0046**, and the grayscale version is **63.7702, 67.0912, 73.0624**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6555, 34.7310, 51.3843** is the 20% darker color. If you saturate the color by 10%, you get **54.4547, 55.7364, 91.8936**, and if you desaturate by 10%, it is **76.4515, 80.1382, 95.4443**.

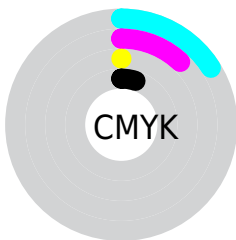
Distribution



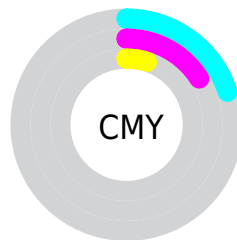
- Red (80%)
- Green (84%)
- Blue (95%)



- Red (80%)
- Yellow (83%)
- Blue (95%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7022, 67.2004, 93.5652 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 64.7022, 67.2004, 93.5652 by changing the saturation by 10% instead.

■ 64.7022, 67.2004,
93.5652

■ 64.7022, 67.2004,
93.5652

431.2832,
450.6578, 560.4279

■ 47.4834, 49.2475,
70.3511

110.6897,
115.2075, 154.2594

■ 33.6275, 34.8159,
51.3342

140.1892,
146.0305, 192.5765

■ 22.7692, 23.5211,
36.0961

174.5129,
181.9124, 236.7650

■ 14.5429, 14.9787,
24.2181

214.0263,
223.2374, 287.2435

■ 8.5834, 8.8045,
15.2818

259.0946,
270.3901, 344.4305

■ 4.5254, 4.6139,
8.8686

310.0833,

■ 2.0035, 2.0225,

323.7548, 408.7446

4.5599

367.3577,
383.7159, 480.6042

■ 0.6359, 0.6205,
1.9373

■ 0.0000, 0.0000,
0.5163

■ 64.7022, 67.2004,
93.5652

■ 64.7022, 67.2004,
93.5652

■ 54.4547, 55.7364,
91.8936

■ 76.4515, 80.1382,
95.4443

■ 45.6405, 45.6840,
90.4179

■ 89.7548, 94.5923,
97.5330

■ 38.1951, 36.9889,
89.1319

■ 93.0272, 99.1909,
98.2482

■ 32.0461, 29.5895,
88.0278

■ 27.1144, 23.4195,
87.0968

■ 23.3114, 18.4060,
86.3295

■ 20.5351, 14.4668,
85.7155

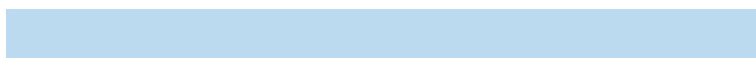
■ 18.6623, 11.5064,
85.2428

■ 18.1108, 10.5780,
85.0927

Harmonies

Analogous

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



61.3486, 67.2004, 92.0093



64.7022, 67.2004, 93.5652



67.9447, 67.2004, 89.2786

Triad

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



64.7022, 67.2004, 93.5652



69.2735, 67.2004, 62.3295



57.9803, 67.2004, 66.0875

Complementary

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



64.7022, 67.2004, 93.5652



75.9740, 80.3409, 68.0046

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.



59.9653, 67.2004, 59.1256



64.7022, 67.2004, 93.5652



66.4635, 67.2004, 57.0953

Square

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



64.7022, 67.2004, 93.5652



70.6446, 67.2004, 70.8277



63.0489, 67.2004, 55.9771



57.5466, 67.2004, 75.5629

Rectangle

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



64.7022, 67.2004, 93.5652



69.5803, 67.2004, 83.8924



63.0489, 67.2004, 55.9771



58.4847, 67.2004, 63.4022

Sweetspot

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



64.7042, 67.2032, 93.5667



87.6630, 91.9599, 107.7374



70.7988, 81.9687, 87.6556



18.5489, 19.4488, 23.0263



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.



64.7042, 67.2032, 93.5667



69.3071, 71.7217, 104.7985



64.3775, 63.0398, 92.7803



15.2603, 15.9548, 19.9969



9.8287, 5.8817, 45.7451



0.8990, 0.6520, 3.8327

Inverse Universe

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



70.1131, 66.4458, 72.7513



76.3911, 70.8468, 77.5103



76.3170, 85.2336, 68.9309



15.9561, 15.8321, 17.3250



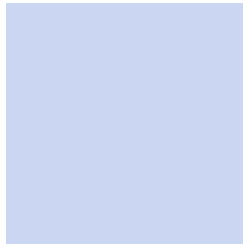
20.2867, 10.3871, 4.1604



1.7287, 0.8805, 0.5623

Previews

White Background



This preview shows how the XYZ color 64.7022, 67.2004, 93.5652 looks on a white background.

Color Contrast Check

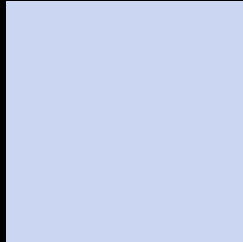
Large Text (above 18pt) WCAG AA × Fail

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 64.7022, 67.2004, 93.5652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

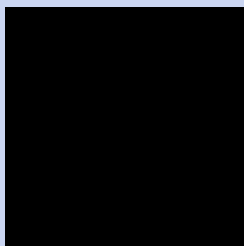
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7022, 67.2004, 93.5652

Background



This preview shows how black text looks on a background with the XYZ color 64.7022, 67.2004, 93.5652.

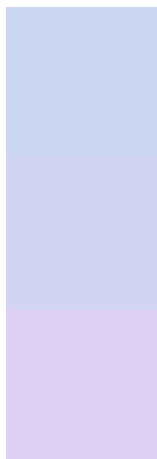


This preview shows how white text looks on a background with the XYZ color 64.7022, 67.2004,

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

64.7022, 67.2004, 93.5652

Protanopia

65.9990, 67.1395, 92.6998

Deuteranopia

68.5523, 66.9550, 94.1045



Tritanopia

63.3512, 67.4124, 86.7637

Trichromacy



Original Color

64.7022, 67.2004, 93.5652

Protanomaly

65.4036, 67.2048, 92.7438

Deuteranomaly

66.9558, 66.8604, 94.1704

Tritanomaly

63.7979, 67.2136, 88.9679

Monochromacy



Original Color

64.7022, 67.2004, 93.5652

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0795, 67.1766, 80.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7022, 67.2004, 93.5652 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(203, 214, 242)` looks like.

```
.text, #text, p{  
    color:rgb(203, 214, 242)  
}
```

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(203, 214, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 214, 242) }
```

Border

The CSS property to change the border of an element to XYZ 64.7022, 67.2004, 93.5652 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(203, 214, 242) }
```


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

```
.border{ border-color:rgb(203, 214, 242) }
```

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

Here you see how a box with a 4 pixel rgb(203, 214, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 214, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 214, 242);  
box-shadow:4px 4px 4px 4px rgb(203, 214,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7022, 67.2004, 93.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 214, 242) }
```

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

```
.background{ background-color: rgb(203,  
214, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor