

Converting Colors

XYZ(63.3665, 62.8874,
103.4064)

Have a look what the booklet for
XYZ(63.3665, 62.8874, 103.4064)
contains.

XYZ(63.4345, 63.0248, 103.4294)	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(63.4345, 63.0248,
103.4294)**

Conversions

Conversions Part 1

Format	Color
Hex	C7CDFF
RGB	199, 205, 255
RGB Percent	78%, 80%, 100%
CMY	0.2196, 0.1961, 0.0000
CMYK	0.22, 0.20, 0.00, 0.00
HSL	234°, 100%, 89%
HSV	234°, 22%, 100%
XYZ	63.4345, 63.0248, 103.4294
YIQ	208.9060, -19.6260, 14.2780

Conversions

Conversions Part 2

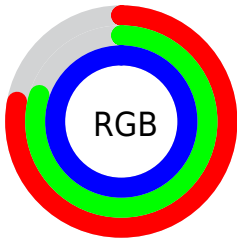
Format	Color
RYB	199, 204, 255
Decimal	13094399
CIELab	83.46, 8.26, -25.13
CIElCh	83, 26.452, 288.203
Yxy	63.0248, 0.2759, 0.2742
Android (android.graphics.Color)	4291284479 (0xFFC7CDFF)
YUV	208.9060, 22.7243, -8.6876
Hunter-Lab	79.3882, 3.6998, -21.6732

Details

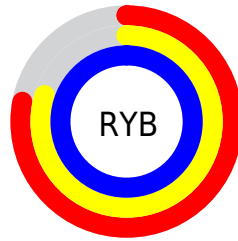
The XYZ color **63.4345, 63.0248, 103.4294** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.4242, 93.1339, 67.5088**, and the grayscale version is **60.4104, 63.5564, 69.2129**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7613, 32.1397, 57.9030** is the 20% darker color. If you saturate the color by 10%, you get **52.1716, 49.7149, 101.4539**, and if you desaturate by 10%, it is **76.6271, 78.5088, 105.7228**.

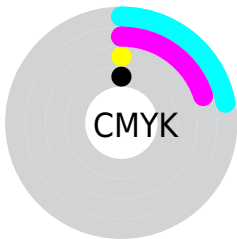
Distribution



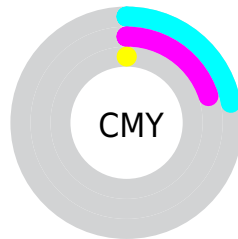
- Red (78%)
- Green (80%)
- Blue (100%)



- Red (78%)
- Yellow (80%)
- Blue (100%)



- Cyan (22%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4345, 63.0248, 103.4294 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 63.4345, 63.0248, 103.4294 by changing the saturation by 10% instead.

■ 63.4345, 63.0248,
103.4294

■ 63.4345, 63.0248,
103.4294

426.7793,
435.6595, 592.4729

■ 46.4528, 45.8613,
78.5349

108.8744,
109.2053, 167.9549

■ 32.8094, 32.1364,
57.9944

138.0633,
138.9910, 208.4229

■ 22.1390, 21.4657,
41.3895

172.0520,
173.7530, 254.9191

■ 14.0762, 13.4648,
28.3015

211.2058,
213.8755, 307.8622

■ 8.2558, 7.7494,
18.3121

255.8901,
259.7431, 367.6705

■ 4.3122, 3.9350,
11.0025

306.4702,

■ 1.8802, 1.6373,

311.7400, 434.7627

5.9543

363.3115,
370.2506, 509.5573

■ 0.5653, 0.3825,
2.7490

■ 0.0000, 0.0000,
0.9679

■ 63.4345, 63.0248,
103.4294

■ 63.4345, 63.0248,
103.4294

■ 52.1716, 49.7149,
101.4539

■ 76.6271, 78.5088,
105.7228

■ 42.7425, 38.4746,
99.7813

■ 91.8284, 96.2507,
108.3461

■ 35.0510, 29.2016,
98.3968

■ 95.0500, 100.0000,
108.9000

■ 28.9902, 21.7819,
97.2841

■ 24.4412, 16.0899,
96.4252

■ 21.2684, 11.9841,
95.7999

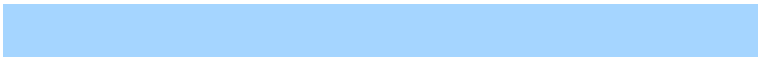
■ 19.3117, 9.2997,
95.3849

■ 18.4496, 8.0191,
95.1832

Harmonies

Analogous

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



57.6646, 63.0248, 104.6417



63.4345, 63.0248, 103.4294



68.5564, 63.0248, 92.0408

Triad

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



63.4345, 63.0248, 103.4294



67.6021, 63.0248, 47.5655



49.6907, 63.0248, 62.3332

Complementary

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



63.4345, 63.0248, 103.4294



85.4242, 93.1339, 67.5088

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.



52.0106, 63.0248, 49.5583



63.4345, 63.0248, 103.4294



62.1990, 63.0248, 41.9938

Square

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



63.4345, 63.0248, 103.4294



71.0669, 63.0248, 59.1727



56.5054, 63.0248, 42.6594



49.9744, 63.0248, 79.0300

Rectangle

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



63.4345, 63.0248, 103.4294



70.8007, 63.0248, 81.1041



56.5054, 63.0248, 42.6594



50.1855, 63.0248, 57.4935

Sweetspot

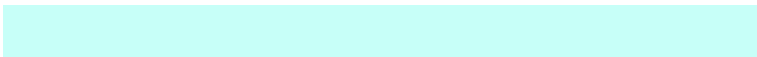
The Sweet Spot groups the original color and five complimentary colors.



63.4363, 63.0273, 103.4298



83.9102, 87.0203, 106.9818



76.3297, 90.4688, 102.6265



17.7648, 18.3978, 22.8648



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.



63.4363, 63.0273, 103.4298



58.6581, 57.3929, 102.5941



68.1312, 63.3569, 103.2459



17.1597, 17.6910, 22.7602



9.6905, 4.2907, 49.7520



0.9925, 0.5157, 4.8605

Inverse Universe

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



72.6840, 66.5161, 66.7685



69.3149, 61.5029, 60.3268



79.8481, 93.0574, 67.7879



18.0885, 18.0187, 19.0832



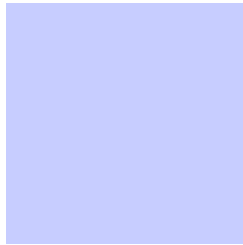
21.6795, 11.1611, 1.6970



2.1356, 1.0966, 0.2953

Previews

White Background



This preview shows how the XYZ color 63.4345, 63.0248, 103.4294 looks on a white background.

Color Contrast Check

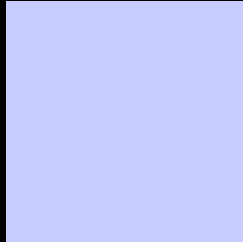
Large Text (above 18pt) WCAG AA × Fail

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 63.4345, 63.0248, 103.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

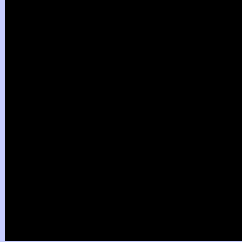
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4345, 63.0248, 103.4294

Background



This preview shows how black text looks on a background with the XYZ color 63.4345, 63.0248, 103.4294.



This preview shows how white text looks on a background with the XYZ color 63.4345, 63.0248,

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

63.4345, 63.0248, 103.4294

Protanopia

62.8863, 63.0984, 103.4725

Deuteranopia

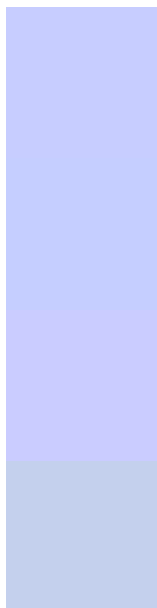
64.3078, 62.7692, 103.3340



Tritanopia

59.1599, 63.1086, 81.7362

Trichromacy



Original Color

63.4345, 63.0248, 103.4294

Protanomaly

63.1473, 63.2329, 103.4847

Deuteranomaly

64.0000, 62.9623, 103.3875

Tritanomaly

60.6069, 62.9619, 89.0793

Monochromacy



Original Color

63.4345, 63.0248, 103.4294

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.4602, 63.5819, 80.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4345, 63.0248, 103.4294 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 205, 255)  
}
```

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, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4345, 63.0248, 103.4294 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, 205, 255) }
```


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

```
.border{ border-color:rgb(199, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4345, 63.0248, 103.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 205, 255) }
```

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

```
.background{ background-color: rgb(199,  
205, 255) }
```

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