

# Converting Colors

XYZ(67.8313, 64.5385,  
124.0933)

Have a look what the booklet for  
XYZ(67.8313, 64.5385, 124.0933)  
contains.

<b>XYZ(63.7303, 62.8232, 103.3749)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.7303, 62.8232,  
103.3749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9CCFF
RGB	201, 204, 255
RGB Percent	79%, 80%, 100%
CMY	0.2118, 0.2000, 0.0000
CMYK	0.21, 0.20, 0.00, 0.00
HSL	237°, 100%, 89%
HSV	237°, 21%, 100%
XYZ	63.7303, 62.8232, 103.3749
YIQ	208.9170, -18.1590, 15.2250

# Conversions

## Conversions Part 2

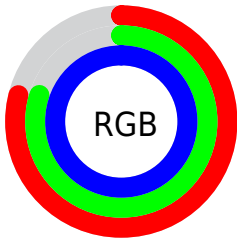
Format	Color
R <sub>Y</sub> B	201, 204, 255
Decimal	13225215
CIE Lab	83.35, 9.40, -25.28
CIE LCh	83, 26.968, 290.397
Yxy	62.8232, 0.2772, 0.2732
Android (android.graphics.Color)	4291415295 (0xFFC9CCFF)
YUV	208.9170, 22.7189, -6.9432
Hunter-Lab	79.2611, 4.8170, -21.8452

# Details

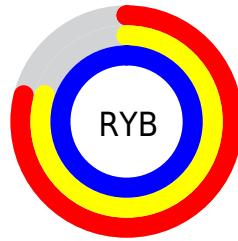
The XYZ color **63.7303, 62.8232, 103.3749** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.5930, 95.0973, 69.0519**, and the grayscale version is **60.4168, 63.5632, 69.2204**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9534, 32.0009, 57.8660** is the 20% darker color. If you saturate the color by 10%, you get **52.1477, 49.0031, 101.3178**, and if you desaturate by 10%, it is **77.3394, 79.0049, 105.7810**.

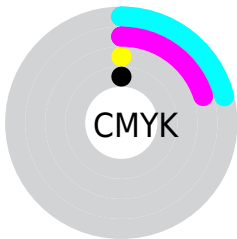
# Distribution



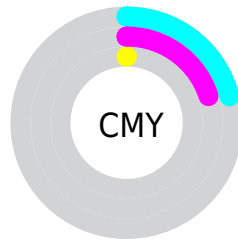
- Red (79%)
- Green (80%)
- Blue (100%)



- Red (79%)
- Yellow (80%)
- Blue (100%)



- Cyan (21%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7303, 62.8232, 103.3749 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 63.7303, 62.8232, 103.3749 by changing the saturation by 10% instead.



■ 63.7303, 62.8232,  
103.3749

■ 63.7303, 62.8232,  
103.3749

427.8327,  
434.9276, 592.2984

■ 46.6931, 45.6982,  
78.4895

109.2983,  
108.9144, 167.8796

■ 33.0001, 32.0077,  
57.9573

138.5599,  
138.6494, 208.3359

■ 22.2857, 21.3674,  
41.3599

172.6270,  
173.3565, 254.8197

■ 14.1848, 13.3928,  
28.2786

211.8650,  
213.4201, 307.7494

■ 8.3319, 7.6996,  
18.2949

256.6392,  
259.2246, 367.5436

■ 4.3616, 3.9033,  
10.9903

307.3150,

■ 1.9087, 1.6196,

311.1544, 434.6208

5.9462

364.2577,  
369.5940, 509.3995

■ 0.5819, 0.3708,  
2.7441

■ 0.0000, 0.0000,  
0.9655

■ 63.7303, 62.8232,  
103.3749

■ 63.7303, 62.8232,  
103.3749

■ 52.1477, 49.0031,  
101.3178

■ 77.3394, 79.0049,  
105.7810

■ 42.4897, 37.4272,  
99.5925

■ 93.0597, 97.6434,  
108.5500

■ 34.6533, 27.9791,  
98.1818

■ 95.0500, 100.0000,  
108.9000

■ 28.5241, 20.5292,  
97.0669

■ 23.9746, 14.9335,  
96.2266

■ 20.8593, 11.0288,  
95.6371

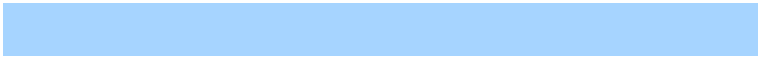
■ 19.0057, 8.6236,  
95.2705

■ 18.2094, 7.5387,  
95.1031

# Harmonies

## Analogous

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



57.8494, 62.8232, 105.4604



63.7303, 62.8232, 103.3749



68.8321, 62.8232, 91.1352

# Triad

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



63.7303, 62.8232, 103.3749



67.1954, 62.8232, 46.4083



49.2649, 62.8232, 63.1546

# Complementary

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



63.7303, 62.8232, 103.3749



86.5930, 95.0973, 69.0519

# 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.



51.4346, 62.8232, 49.8063



63.7303, 62.8232, 103.3749



61.6133, 62.8232, 41.2373

# Square

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



63.7303, 62.8232, 103.3749



70.9218, 62.8232, 57.7500



55.8654, 62.8232, 42.3701



49.7496, 62.8232, 80.2934



# Rectangle

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



63.7303, 62.8232, 103.3749



70.9818, 62.8232, 79.8257



55.8654, 62.8232, 42.3701



49.7023, 62.8232, 58.1269

# Sweetspot

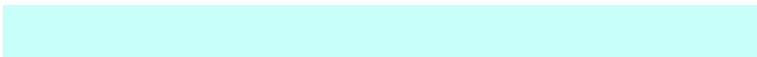
The Sweet Spot groups the original color and five complimentary colors.



63.7321, 62.8257, 103.3753



85.2058, 88.3375, 107.1678



77.3240, 90.9282, 105.0734



18.0183, 18.6479, 22.8997



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.



63.7321, 62.8257, 103.3753



59.0676, 57.2664, 102.5481



69.8025, 64.9063, 103.4569



17.0840, 17.5396, 22.7350



9.5470, 4.0035, 49.7042



0.9568, 0.4442, 4.8486



# Inverse Universe

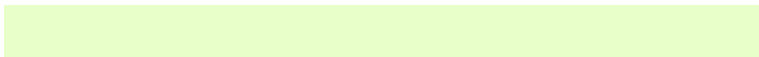
The Inverse Universe completely reimagines the original color for something new.



73.0270, 67.3946, 66.2889



69.7523, 62.5615, 59.9065



79.4524, 92.8264, 68.9899



18.0503, 18.0034, 18.8820



21.6071, 11.1321, 1.3154



2.1175, 1.0894, 0.2004



# Previews

## White Background



This preview shows how the XYZ color 63.7303, 62.8232, 103.3749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

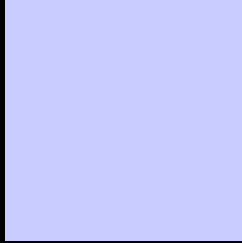
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7303, 62.8232, 103.3749 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 63.7303, 62.8232, 103.3749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7303, 62.8232, 103.3749.



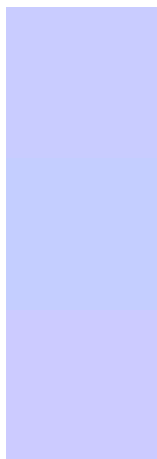
This preview shows how white text looks on a background with the XYZ color 63.7303, 62.8232,



# 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

63.7303, 62.8232, 103.3749

### Protanopia

62.8863, 63.0984, 103.4725

### Deuteranopia

64.3078, 62.7692, 103.3340



## Tritanopia

59.2929, 62.8277, 80.9534

# Trichromacy



## Original Color

63.7303, 62.8232, 103.3749

## Protanomaly

63.1700, 62.8884, 103.4170

## Deuteranomaly

64.0345, 62.6284, 103.3212

## Tritanomaly

60.8876, 62.7458, 89.0228

# Monochromacy



## Original Color

63.7303, 62.8232, 103.3749

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.4939, 63.2384, 80.9167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7303, 62.8232, 103.3749 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(201, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 204, 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(201, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 204, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7303, 62.8232, 103.3749 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(201, 204, 255) }
```



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

```
.border{ border-color:rgb(201, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 204,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7303, 62.8232, 103.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 204, 255) }
```

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

```
.background{ background-color: rgb(201,  
204, 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