

# Converting Colors

XYZ(52.0034, 64.1567, 27.9397)

Have a look what the booklet for  
XYZ(52.0034, 64.1567, 27.9397)  
contains.

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# Color

**XYZ(51.8703, 63.9385,  
28.0199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5DB7A
RGB	197, 219, 122
RGB Percent	77%, 86%, 48%
CMY	0.2275, 0.1412, 0.5216
CMYK	0.10, 0.00, 0.44, 0.14
HSL	74°, 57%, 67%
HSV	74°, 44%, 86%
XYZ	51.8703, 63.9385, 28.0199
YIQ	201.3640, 18.0250, -34.8310

# Conversions

## Conversions Part 2

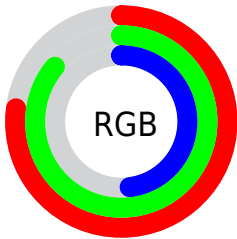
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 219, 144
Decimal	12966778
CIE <sub>Lab</sub>	83.93, -22.15, 45.09
CIE <sub>LCh</sub>	84, 50.234, 116.164
Yxy	63.9385, 0.3606, 0.4445
Android (android.graphics.Color)	4291156858 (0xFFC5DB7A)
YUV	201.3640, -39.1265, -3.8272
Hunter-Lab	79.9616, -24.1415, 35.1969

# Details

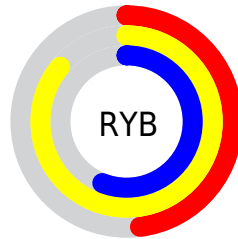
The XYZ color **51.8703, 63.9385, 28.0199** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.2499, 24.9646, 70.1932**, and the grayscale version is **55.9722, 58.8871, 64.1281**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **25.5681, 32.7566, 10.9363** is the 20% darker color. If you saturate the color by 10%, you get **49.3843, 62.7985, 21.6011**, and if you desaturate by 10%, it is **54.7081, 65.2286, 36.0538**.

# Distribution



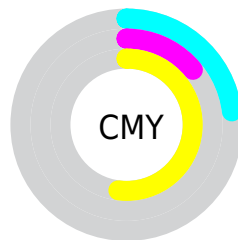
- Red (77%)
- Green (86%)
- Blue (48%)



- Red (48%)
- Yellow (86%)
- Blue (56%)



- Cyan (10%)
- Magenta (0%)
- Yellow (44%)
- Black (14%)




- Cyan (23%)
- Magenta (14%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8703, 63.9385, 28.0199 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 51.8703, 63.9385, 28.0199 by changing the saturation by 10% instead.





 51.8703, 63.9385,  
28.0199

 51.8703, 63.9385,  
28.0199


384.2679,  
438.9675, 306.4769


 37.1256, 46.6009,  
18.1015


 92.1153, 110.5224,  
57.5397

 25.4788, 32.7202,  
10.8527


 118.3462,  
140.5374, 77.9782

 16.5648, 21.9122,  
5.8549


 149.1367,  
175.5470, 102.7604

 10.0181, 13.7924,  
2.6897

184.8519,  
215.9356, 132.3049

 5.4733, 7.9764,  
0.9382

225.8572,  
262.0875, 167.0303

 2.5651, 4.0799,  
0.0000

272.5181,

 0.9282, 1.7183,

314.3872, 207.3551

0.0000

325.1999,  
373.2191, 253.6978

0.0000, 0.4355,  
0.0000

0.0000, 0.0000,  
0.0000

51.8703, 63.9385,  
28.0199

51.8703, 63.9385,  
28.0199

49.3843, 62.7985,  
21.6011

54.7081, 65.2286,  
36.0538

47.2243, 61.7916,  
16.6837


57.9122, 66.6681,  
45.7981


45.3680, 60.9110,  
13.1460


61.5021, 68.2668,  
57.3454


43.7878, 60.1457,  
10.8453

65.4941, 70.0316,  
70.7806


 42.4505, 59.4822,  
9.6079


 69.9038, 71.9685,  
86.1832

 41.7644, 59.1366,  
9.2133

 74.7458, 74.0835,  
103.6281

 76.5895, 75.0045,  
105.0484

 78.2232, 75.8467,  
105.1248

 79.9029, 76.7126,  
105.2034

# Harmonies

## Analogous

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



62.2050, 63.9385, 24.8230



51.8703, 63.9385, 28.0199



44.7666, 63.9385, 40.9194

# Triad

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



51.8703, 63.9385, 28.0199



49.6851, 63.9385, 133.4340



84.5496, 63.9385, 73.7715

# Complementary

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



51.8703, 63.9385, 28.0199



31.2499, 24.9646, 70.1932

# 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.



80.1982, 63.9385, 109.3251



51.8703, 63.9385, 28.0199



59.3604, 63.9385, 149.7599

# Square

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



51.8703, 63.9385, 28.0199



43.6165, 63.9385, 100.0676



70.6371, 63.9385, 139.8184



81.9216, 63.9385, 46.0722



# Rectangle

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



51.8703, 63.9385, 28.0199



42.3765, 63.9385, 56.0484



70.6371, 63.9385, 139.8184



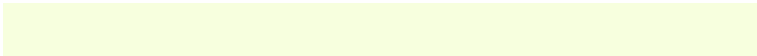
83.8421, 63.9385, 85.2184

# Sweetspot

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



51.8719, 63.9414, 28.0213



87.4519, 96.6474, 83.0475



42.5535, 36.1171, 23.1417



18.4633, 20.5734, 16.9355



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.



51.8719, 63.9414, 28.0213



69.9872, 88.7742, 31.1680



41.3294, 58.5065, 27.5279



13.8583, 15.1072, 13.9111



24.8620, 35.1143, 5.4674



1.6829, 2.3121, 0.3576



# Inverse Universe

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



31.2499, 24.9646, 70.1932



37.4201, 27.1494, 97.8758



41.3640, 30.1786, 70.6665



12.6137, 12.7590, 16.4500



8.4311, 3.4706, 39.9639



0.6215, 0.2637, 2.5926



# Previews

## White Background



This preview shows how the XYZ color 51.8703, 63.9385, 28.0199 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 51.8703, 63.9385, 28.0199 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 51.8703, 63.9385, 28.0199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8703, 63.9385, 28.0199.



This preview shows how white text looks on a background with the XYZ color 51.8703, 63.9385,



# 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

51.8703, 63.9385, 28.0199

### Protanopia

58.3836, 63.5669, 26.3320

### Deuteranopia

64.7622, 63.2618, 28.8761



## **Tritanopia**

62.3457, 63.7091, 79.5321

# Trichromacy



## Original Color

51.8703, 63.9385, 28.0199

## Protanomaly

55.7393, 63.6721, 26.8049

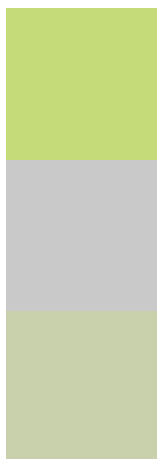
## Deuteranomaly

59.3773, 62.9469, 28.4225

## Tritanomaly

57.4407, 63.1555, 56.1765

# Monochromacy



## Original Color

51.8703, 63.9385, 28.0199

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

53.8217, 60.3697, 47.8455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8703, 63.9385, 28.0199 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(197, 219, 122)` looks like.

```
.text, #text, p{  
    color:rgb(197, 219, 122)  
}
```

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(197, 219, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 219, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8703, 63.9385, 28.0199 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(197, 219, 122) }
```



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

```
.border{ border-color:rgb(197, 219, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 219, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 219, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 219, 122);  
box-shadow:4px 4px 4px 4px rgb(197, 219,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8703, 63.9385, 28.0199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 219, 122) }
```

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

```
.background{ background-color: rgb(197,  
219, 122) }
```

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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