

Converting Colors

XYZ(51.7263, 64.2586, 10.8196)

Have a look what the booklet for
XYZ(51.7263, 64.2586, 10.8196)
contains.

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Color

**XYZ(51.8478, 64.3071,
10.8422)**

Conversions

Conversions Part 1

Format	Color
Hex	D1DB1D
RGB	209, 219, 29
RGB Percent	82%, 86%, 11%
CMY	0.1804, 0.1412, 0.8862
CMYK	0.05, 0.00, 0.87, 0.14
HSL	63°, 77%, 49%
HSV	63°, 87%, 86%
XYZ	51.8478, 64.3071, 10.8422
YIQ	194.3500, 55.0300, -61.2100

Conversions

Conversions Part 2

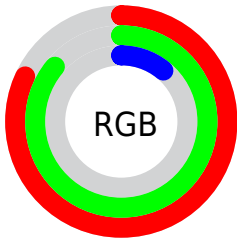
Format	Color
R _Y B	29, 219, 39
Decimal	13753117
CIE Lab	84.13, -23.04, 79.93
CIE LCh	84, 83.183, 106.077
Yxy	64.3071, 0.4083, 0.5064
Android (android.graphics.Color)	4291943197 (0xFFD1DB1D)
YUV	194.3500, -81.5175, 12.8481
Hunter-Lab	80.1917, -24.9266, 48.1180

Details

The XYZ color **51.8478, 64.3071, 10.8422** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **14.0640, 6.4258, 67.5209**, and the grayscale version is **51.9334, 54.6380, 59.5008**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **25.8531, 33.0349, 5.0138** is the 20% darker color. If you saturate the color by 10%, you get **51.3411, 64.0693, 9.8649**, and if you desaturate by 10%, it is **52.5505, 64.6284, 12.8267**.

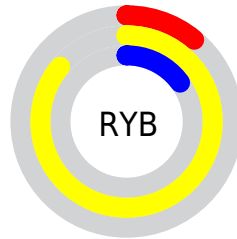
Distribution



Red (82%)

Green (86%)

Blue (11%)



Red (11%)

Yellow (86%)

Blue (15%)

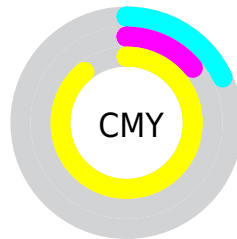


Cyan (5%)

Magenta (0%)

Yellow (87%)

Black (14%)



Cyan (18%)


Magenta (14%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8478, 64.3071, 10.8422 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 51.8478, 64.3071, 10.8422 by changing the saturation by 10% instead.


 51.8478, 64.3071,
10.8422


 51.8478, 64.3071,
10.8422


384.1824,
440.2978, 207.2802

 37.1076, 46.8995,
5.8480


 92.0823, 111.0531,
28.0002


 25.4648, 32.9562,
2.6856


 118.3073,
141.1602, 41.0010


 16.5543, 22.0929,
0.9362


 149.0912,
176.2693, 57.5078

 10.0105, 13.9252,
0.0000

 184.7994,
216.7647, 77.9391

 5.4683, 8.0686,
0.0000

 225.7972,
263.0309, 102.7135

 2.5621, 4.1389,
0.0000

 272.4501,

 0.9267, 1.7516,

315.4522, 132.2494

0.0000

325.1234,
374.4130, 166.9654

■ 0.0000, 0.4567,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8478, 64.3071,
10.8422

■ 51.8478, 64.3071,
10.8422

■ 51.3411, 64.0693,
9.8649

■ 52.5505, 64.6284,
12.8267

■ 51.1971, 63.9995,
9.6548

■ 53.4813, 65.0388,
16.0059

■ 54.6697, 65.5526,
20.5299

■ 56.1401, 66.1794,
26.5260

■ 57.9137, 66.9278,
34.1067

■ 60.0099, 67.8055,
43.3736

■ 62.4464, 68.8196,
54.4197

■ 65.2395, 69.9766,
67.3315

■ 68.4047, 71.2827,
82.1896

Harmonies

Analogous

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



70.0265, 64.3071, 10.5607



51.8478, 64.3071, 10.8422



39.0363, 64.3071, 20.6602

Triad

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



51.8478, 64.3071, 10.8422



39.7372, 64.3071, 171.1537



102.2437, 64.3071, 97.3073

Complementary

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



51.8478, 64.3071, 10.8422



14.0640, 6.4258, 67.5209

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.



90.2756, 64.3071, 166.3180



51.8478, 64.3071, 10.8422



53.0062, 64.3071, 221.3753

Square

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



51.8478, 64.3071, 10.8422



33.0631, 64.3071, 101.9562



71.4409, 64.3071, 219.2608



101.7599, 64.3071, 45.5634

Rectangle

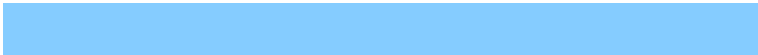
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8478, 64.3071, 10.8422



34.1734, 64.3071, 36.4724



71.4409, 64.3071, 219.2608



99.4541, 64.3071, 119.6066

Sweetspot

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



51.8493, 64.3101, 10.8435



84.8797, 95.7848, 61.9882



30.1467, 16.5689, 2.7724



17.9332, 20.4039, 12.2203



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.



51.8493, 64.3101, 10.8435



72.2304, 90.3212, 13.6268



32.5608, 54.3665, 9.9408



14.0909, 15.2271, 13.9220



30.3855, 37.9618, 5.7259



1.9897, 2.4703, 0.3719

Inverse Universe

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



14.0640, 6.4258, 67.5209



18.2224, 7.3089, 95.0581



22.9800, 11.0222, 67.9382



12.4018, 12.6497, 16.4401



7.6959, 3.0916, 39.9295



0.5214, 0.2121, 2.5879

Previews

White Background



This preview shows how the XYZ color 51.8478, 64.3071, 10.8422 looks on a white background.

Color Contrast Check

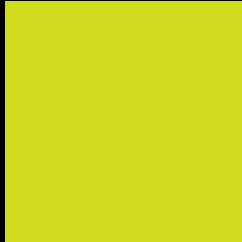
Large Text (above 18pt) WCAG AA × Fail

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 51.8478, 64.3071, 10.8422 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 51.8478, 64.3071, 10.8422

Background



This preview shows how black text looks on a background with the XYZ color 51.8478, 64.3071, 10.8422.



This preview shows how white text looks on a background with the XYZ color 51.8478, 64.3071,

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

51.8478, 64.3071, 10.8422

Protanopia

57.8251, 64.0006, 10.2829

Deuteranopia

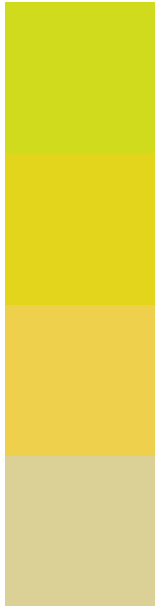
64.5748, 64.0126, 21.7842



Tritanopia

65.2516, 64.2003, 76.6629

Trichromacy



Original Color

51.8478, 64.3071, 10.8422

Protanomaly

55.3561, 63.8364, 10.4410

Deuteranomaly

59.1203, 63.8107, 16.0382

Tritanomaly

57.5998, 62.8954, 38.3823

Monochromacy



Original Color

51.8478, 64.3071, 10.8422

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.2122, 56.5752, 30.8806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8478, 64.3071, 10.8422 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(209, 219, 29)` looks like.

```
.text, #text, p{  
    color:rgb(209, 219, 29)  
}
```

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(209, 219, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 219, 29) }
```

Border

The CSS property to change the border of an element to XYZ 51.8478, 64.3071, 10.8422 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(209, 219, 29) }
```


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

```
.border{ border-color:rgb(209, 219, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 219, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 219, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 219, 29);  
box-shadow:4px 4px 4px 4px rgb(209, 219,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8478, 64.3071, 10.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 219, 29) }
```

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

```
.background{ background-color: rgb(209,  
219, 29) }
```

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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