

Converting Colors

XYZ(51.6779, 64.2065, 11.4196)

Have a look what the booklet for
XYZ(51.6779, 64.2065, 11.4196)
contains.

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Color

**XYZ(51.6779, 64.2065,
11.4196)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DB25
RGB	208, 219, 37
RGB Percent	82%, 86%, 15%
CMY	0.1843, 0.1412, 0.8549
CMYK	0.05, 0.00, 0.83, 0.14
HSL	64°, 72%, 50%
HSV	64°, 83%, 86%
XYZ	51.6779, 64.2065, 11.4196
YIQ	194.9630, 51.8660, -58.9340

Conversions

Conversions Part 2

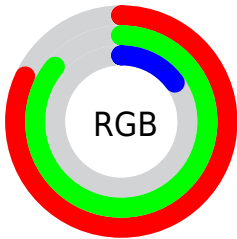
Format	Color
R _Y B	37, 219, 48
Decimal	13687589
CIE Lab	84.07, -23.26, 78.22
CIE LCh	84, 81.606, 106.558
Yxy	64.2065, 0.4059, 0.5044
Android (android.graphics.Color)	4291877669 (0xFFD0DB25)
YUV	194.9630, -77.8758, 11.4334
Hunter-Lab	80.1290, -25.1049, 47.6405

Details

The XYZ color **51.6779, 64.2065, 11.4196** 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 **14.6685, 7.0673, 67.6128**, and the grayscale version is **52.2796, 55.0022, 59.8974**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **25.6699, 32.9405, 5.0052** is the 20% darker color. If you saturate the color by 10%, you get **51.0614, 63.9195, 10.1025**, and if you desaturate by 10%, it is **52.5063, 64.5835, 13.8239**.

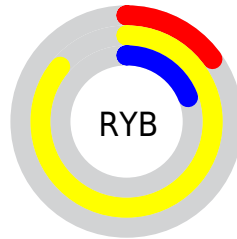
Distribution



Red (82%)

Green (86%)

Blue (15%)



Red (15%)

Yellow (86%)

Blue (19%)

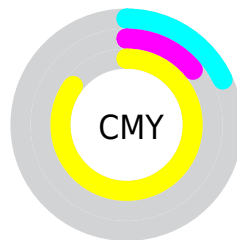


Cyan (5%)

Magenta (0%)

Yellow (83%)

Black (14%)



Cyan (18%)

Magenta (14%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6779, 64.2065, 11.4196 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 51.6779, 64.2065, 11.4196 by changing the saturation by 10% instead.

■ 51.6779, 64.2065,
11.4196

■ 51.6779, 64.2065,
11.4196

383.5363,
439.9350, 211.3638

■ 36.9716, 46.8179,
6.2321

■ 91.8331, 110.9083,
29.0819

■ 25.3591, 32.8918,
2.9157

■ 118.0127,
140.9903, 42.3938

■ 16.4750, 22.0435,
1.0517

■ 148.7475,
176.0722, 59.2510

■ 9.9538, 13.8889,
0.0000

■ 184.4028,
216.5385, 80.0719

■ 5.4304, 8.0434,
0.0000

■ 225.3440,
262.7736, 105.2750

■ 2.5393, 4.1228,
0.0000

■ 271.9364,

■ 0.9151, 1.7425,

315.1617, 135.2791

0.0000

324.5453,
374.0874, 170.5025

■ 0.0000, 0.4509,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.6779, 64.2065,
11.4196

■ 51.6779, 64.2065,
11.4196

■ 51.0614, 63.9195,
10.1025

■ 52.5063, 64.5835,
13.8239

■ 50.7204, 63.7537,
9.6324

■ 53.5744, 65.0543,
17.4805

■ 54.9103, 65.6325,
22.5304

■ 56.5368, 66.3274,
29.0949

■ 58.4746, 67.1472,
37.2823

■ 60.7424, 68.0993,
47.1908

■ 63.3574, 69.1907,
58.9109

■ 66.3354, 70.4276,
72.5267

■ 69.6916, 71.8162,
88.1171

Harmonies

Analogous

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



69.4370, 64.2065, 11.0074



51.6779, 64.2065, 11.4196



39.1741, 64.2065, 21.4794

Triad

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



51.6779, 64.2065, 11.4196



40.1737, 64.2065, 169.4991



101.2929, 64.2065, 95.5966

Complementary

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



51.6779, 64.2065, 11.4196



14.6685, 7.0673, 67.6128

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.



89.7877, 64.2065, 162.7065



51.6779, 64.2065, 11.4196



53.3238, 64.2065, 217.5760

Square

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



51.6779, 64.2065, 11.4196



33.4830, 64.2065, 102.1619



71.4392, 64.2065, 214.6129



100.6109, 64.2065, 45.2792

Rectangle

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



51.6779, 64.2065, 11.4196



34.4453, 64.2065, 37.4075



71.4392, 64.2065, 214.6129



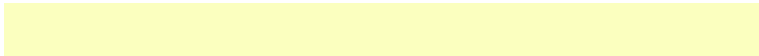
98.6390, 64.2065, 117.2622

Sweetspot

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



51.6794, 64.2095, 11.4209



85.0273, 95.8287, 63.4500



30.5305, 17.1571, 3.4536



17.9526, 20.4077, 12.4992



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.



51.6794, 64.2095, 11.4209



71.5524, 89.9716, 13.5951



33.2622, 54.7151, 10.5590



14.0804, 15.2217, 13.9215



30.1070, 37.8182, 5.7128



1.9746, 2.4625, 0.3712

Inverse Universe

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



14.6685, 7.0673, 67.6128



18.2539, 7.3251, 95.0595



23.7829, 11.7660, 68.0393



12.4112, 12.6546, 16.4406



7.7129, 3.1003, 39.9303



0.5259, 0.2144, 2.5881

Previews

White Background



This preview shows how the XYZ color 51.6779, 64.2065, 11.4196 looks on a white background.

Color Contrast Check

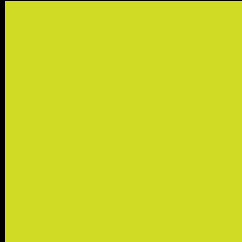
Large Text (above 18pt) WCAG AA × Fail

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 51.6779, 64.2065, 11.4196 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 51.6779, 64.2065, 11.4196

Background



This preview shows how black text looks on a background with the XYZ color 51.6779, 64.2065, 11.4196.



This preview shows how white text looks on a background with the XYZ color 51.6779, 64.2065,

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

51.6779, 64.2065, 11.4196

Protanopia

57.9274, 64.0415, 10.8215

Deuteranopia

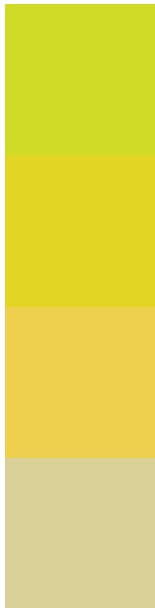
64.5748, 64.0126, 21.7842



Tritanopia

64.9426, 64.0410, 76.6485

Trichromacy



Original Color

51.6779, 64.2065, 11.4196

Protanomaly

55.4617, 63.8786, 10.9968

Deuteranomaly

59.2271, 63.8534, 16.6005

Tritanomaly

57.4637, 62.8063, 39.2312

Monochromacy



Original Color

51.6779, 64.2065, 11.4196

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.9997, 57.3001, 32.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6779, 64.2065, 11.4196 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(208, 219, 37)` looks like.

```
.text, #text, p{  
    color:rgb(208, 219, 37)  
}
```

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(208, 219, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 219, 37) }
```

Border

The CSS property to change the border of an element to XYZ 51.6779, 64.2065, 11.4196 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(208, 219, 37) }
```


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

```
.border{ border-color:rgb(208, 219, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 219, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 219, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 219, 37);  
box-shadow:4px 4px 4px 4px rgb(208, 219,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6779, 64.2065, 11.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 219, 37) }
```

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

```
.background{ background-color: rgb(208,  
219, 37) }
```

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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