

Converting Colors

XYZ(50.7876, 60.0151, 11.1572)

Have a look what the booklet for
XYZ(50.7876, 60.0151, 11.1572)
contains.

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Color

**XYZ(50.6771, 59.9215,
11.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	D5D12B
RGB	213, 209, 43
RGB Percent	84%, 82%, 17%
CMY	0.1647, 0.1804, 0.8313
CMYK	0.00, 0.02, 0.80, 0.16
HSL	59°, 67%, 50%
HSV	59°, 80%, 84%
XYZ	50.6771, 59.9215, 11.1805
YIQ	191.2720, 55.6700, -50.7780

Conversions

Conversions Part 2

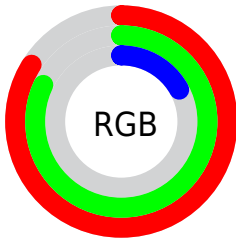
Format	Color
R _Y B	47, 213, 43
Decimal	14012715
CIE Lab	81.80, -16.09, 74.96
CIE LCh	82, 76.666, 102.116
Yxy	59.9215, 0.4161, 0.4921
Android (android.graphics.Color)	4292202795 (0xFFD5D12B)
YUV	191.2720, -73.0981, 19.0555
Hunter-Lab	77.4090, -18.6077, 45.6228

Details

The XYZ color **50.6771, 59.9215, 11.1805** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **14.0233, 7.3509, 63.6301**, and the grayscale version is **50.0697, 52.6772, 57.3654**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **25.0478, 30.3127, 4.5308** is the 20% darker color. If you saturate the color by 10%, you get **50.2617, 59.5615, 9.5918**, and if you desaturate by 10%, it is **51.2994, 60.3695, 13.8452**.

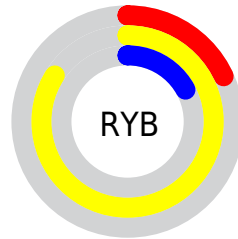
Distribution



Red (84%)

Green (82%)

Blue (17%)



Red (18%)

Yellow (84%)

Blue (17%)

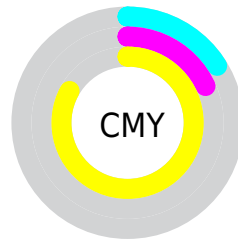


Cyan (0%)

Magenta (2%)

Yellow (80%)

Black (16%)



Cyan (16%)


Magenta (18%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6771, 59.9215, 11.1805 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 50.6771, 59.9215, 11.1805 by changing the saturation by 10% instead.


 50.6771, 59.9215,
11.1805


 50.6771, 59.9215,
11.1805


379.7163,
424.3084, 209.6834

 36.1717, 43.3554,
6.0727


 90.3631, 104.7158,
28.6352

 24.7376, 30.1640,
2.8198


 116.2745,
133.7127, 41.8192


 16.0093, 19.9631,
1.0034

 146.7185,
167.6221, 58.5322

 9.6216, 12.3682,
0.0000

 182.0605,
206.8282, 79.1930

 5.2092, 6.9950,
0.0000

 222.6660,
251.7155, 104.2199

 2.4065, 3.4590,
0.0000

 268.9002,

 0.8484, 1.3758,

302.6683, 134.0316

0.0000

321.1285,
360.0712, 169.0466

■ 0.0000, 0.1988,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.6771, 59.9215,
11.1805

■ 50.6771, 59.9215,
11.1805

■ 50.2617, 59.5615,
9.5918

■ 51.2994, 60.3695,
13.8452

■ 49.9997, 59.2612,
8.8150

■ 52.1525, 60.9081,
17.7291

■ 49.9952, 59.2556,
8.8024

■ 53.2613, 61.5496,
22.9574

■ 54.6464, 62.3022,
29.6390

■ 56.3264, 63.1734,
37.8715

■ 58.3182, 64.1700,
47.7441

■ 60.6375, 65.2982,
59.3392

■ 63.2989, 66.5638,
72.7338

■ 66.3160, 67.9724,
88.0001

Harmonies

Analogous

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



67.0395, 59.9215, 11.9110



50.6771, 59.9215, 11.1805



38.5522, 59.9215, 18.9902

Triad

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



50.6771, 59.9215, 11.1805



36.8724, 59.9215, 144.9774



91.9412, 59.9215, 96.5686

Complementary

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



50.6771, 59.9215, 11.1805



14.0233, 7.3509, 63.6301

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.



80.4387, 59.9215, 156.0310



50.6771, 59.9215, 11.1805



47.9337, 59.9215, 191.8763

Square

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



50.6771, 59.9215, 11.1805



31.6532, 59.9215, 85.7630



63.7280, 59.9215, 196.6739



93.0596, 59.9215, 48.2909

Rectangle

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



50.6771, 59.9215, 11.1805



33.6654, 59.9215, 31.8454



63.7280, 59.9215, 196.6739



89.0729, 59.9215, 116.3454

Sweetspot

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



50.6785, 59.9243, 11.1817



86.2582, 95.7522, 64.8570



28.8521, 16.0933, 4.4554



18.2368, 20.3814, 12.7633



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.



50.6785, 59.9243, 11.1817



75.2486, 89.1878, 13.5418



34.0092, 52.8039, 10.6859



13.4467, 14.4675, 13.2445



30.5507, 36.2186, 5.3807



1.8508, 2.2007, 0.3272

Inverse Universe

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



14.0233, 7.3509, 63.6301



18.3622, 7.6550, 95.1175



20.9481, 10.6946, 63.9105



11.7658, 12.0550, 15.6442



7.3800, 3.0217, 38.6474



0.4535, 0.1991, 2.3338

Previews

White Background



This preview shows how the XYZ color 50.6771, 59.9215, 11.1805 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 50.6771, 59.9215, 11.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

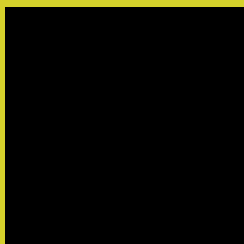
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6771, 59.9215, 11.1805

Background



This preview shows how black text looks on a background with the XYZ color 50.6771, 59.9215, 11.1805.



This preview shows how white text looks on a background with the XYZ color 50.6771, 59.9215,

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

50.6771, 59.9215, 11.1805

Protanopia

54.3239, 60.0109, 10.9106

Deuteranopia

61.0238, 59.6855, 12.0455



Tritanopia

62.5120, 59.8521, 69.2306

Trichromacy



Original Color

50.6771, 59.9215, 11.1805

Protanomaly

52.9207, 59.9978, 10.9820

Deuteranomaly

56.9561, 59.6111, 11.6362

Tritanomaly

55.8979, 58.8506, 36.8469

Monochromacy



Original Color

50.6771, 59.9215, 11.1805

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.2626, 54.3364, 31.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6771, 59.9215, 11.1805 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(213, 209, 43)` looks like.

```
.text, #text, p{  
    color:rgb(213, 209, 43)  
}
```

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(213, 209, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 209, 43) }
```

Border

The CSS property to change the border of an element to XYZ 50.6771, 59.9215, 11.1805 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(213, 209, 43) }
```


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

```
.border{ border-color:rgb(213, 209, 43) }
```

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

Here you see how a box with a 4 pixel rgb(213, 209, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 209, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 209, 43);  
box-shadow:4px 4px 4px 4px rgb(213, 209,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6771, 59.9215, 11.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 209, 43) }
```

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

```
.background{ background-color: rgb(213,  
209, 43) }
```

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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