

Converting Colors

XYZ(50.7980, 59.5336, 19.7779)

Have a look what the booklet for
XYZ(50.7980, 59.5336, 19.7779)
contains.

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Color

**XYZ(50.6796, 59.3662,
19.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D060
RGB	208, 208, 96
RGB Percent	82%, 82%, 38%
CMY	0.1843, 0.1843, 0.6235
CMYK	0.00, 0.00, 0.54, 0.18
HSL	60°, 54%, 60%
HSV	60°, 54%, 82%
XYZ	50.6796, 59.3662, 19.8540
YIQ	195.2320, 35.9520, -34.8320

Conversions

Conversions Part 2

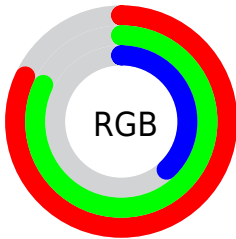
Format	Color
R_YB	96, 208, 96
Decimal	13684832
CIE Lab	81.49, -14.78, 54.68
CIE LCh	81, 56.640, 105.124
Yxy	59.3662, 0.3901, 0.4570
Android (android.graphics.Color)	4291874912 (0xFFD0D060)
YUV	195.2320, -48.9214, 11.1975
Hunter-Lab	77.0495, -17.4275, 38.6569

Details

The XYZ color **50.6796, 59.3662, 19.8540** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.3938, 15.4079, 61.5773**, and the grayscale version is **52.2791, 55.0017, 59.8969**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **24.7541, 29.8649, 6.7453** is the 20% darker color. If you saturate the color by 10%, you get **49.8462, 59.0350, 15.4607**, and if you desaturate by 10%, it is **51.7692, 59.8043, 25.5840**.

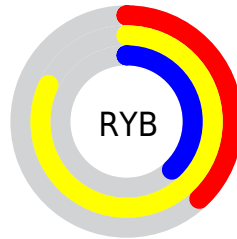
Distribution



Red (82%)

Green (82%)

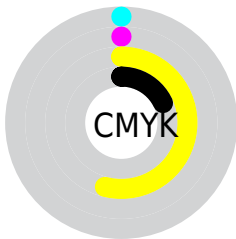
Blue (38%)



Red (38%)

Yellow (82%)

Blue (38%)

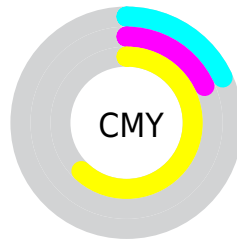


Cyan (0%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (18%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6796, 59.3662, 19.8540 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 50.6796, 59.3662, 19.8540 by changing the saturation by 10% instead.


 50.6796, 59.3662,
19.8540


 50.6796, 59.3662,
19.8540


379.7259,
422.2576, 263.7017


 36.1737, 42.9080,
12.1059


 90.3668, 103.9097,
44.0280


 24.7391, 29.8129,
6.6925


 116.2788,
132.7638, 61.2911

 16.0105, 19.6966,
3.1950


 146.7236,
166.5186, 82.5628

 9.6225, 12.1747,
1.1950

 182.0664,
205.5586, 108.2619

 5.2097, 6.8628,
0.0000

222.6727,
250.2681, 138.8067

 2.4068, 3.3764,
0.0000

268.9078,

 0.8485, 1.3313,

301.0315, 174.6160

0.0000

321.1371,
358.2332, 216.1081

■ 0.0000, 0.1652,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.6796, 59.3662,
19.8540

■ 50.6796, 59.3662,
19.8540

■ 49.8462, 59.0350,
15.4607

■ 51.7692, 59.8043,
25.5840

■ 49.2442, 58.7942,
12.2927


■ 53.1290, 60.3482,
32.7429


■ 48.8516, 58.6371,
10.2267


■ 54.7770, 61.0074,
41.4192

■ 48.6396, 58.5522,
9.1122


■ 56.7283, 61.7880,
51.6931


 48.5681, 58.5236,
8.7364

 58.9972, 62.6956,
63.6391

 61.5968, 63.7355,
77.3271

 64.5398, 64.9127,
92.8230

 66.6221, 65.7457,
103.7866

 66.6225, 65.7458,
103.7866

Harmonies

Analogous

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



62.4882, 59.3662, 19.8206



50.6796, 59.3662, 19.8540



41.7525, 59.3662, 28.6279

Triad

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



50.6796, 59.3662, 19.8540



41.8099, 59.3662, 122.8820



81.4746, 59.3662, 82.9077

Complementary

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



50.6796, 59.3662, 19.8540



20.3938, 15.4079, 61.5773

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.



74.1877, 59.3662, 122.5742



50.6796, 59.3662, 19.8540



50.7688, 59.3662, 150.5934

Square

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



50.6796, 59.3662, 19.8540



37.1416, 59.3662, 83.2318



62.5907, 59.3662, 150.4643



81.4418, 59.3662, 49.0455

Rectangle

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



50.6796, 59.3662, 19.8540



38.1544, 59.3662, 40.8650



62.5907, 59.3662, 150.4643



79.7594, 59.3662, 96.2066

Sweetspot

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



50.6810, 59.3689, 19.8552



89.1623, 97.6448, 77.9003



32.3086, 22.6216, 13.7306



18.9430, 20.8434, 15.9292



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.



50.6810, 59.3689, 19.8552



78.8103, 93.5037, 23.4006



37.6184, 52.6349, 19.2439



12.8034, 13.7976, 12.6004



30.2685, 36.4729, 5.4447



1.6924, 2.0393, 0.3044

Inverse Universe

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



20.3938, 15.4079, 61.5773



25.7880, 16.5431, 96.4417



28.5187, 19.5965, 61.9576



11.1638, 11.4177, 14.8591



7.0960, 2.8384, 37.3664



0.3968, 0.1587, 2.0893

Previews

White Background



This preview shows how the XYZ color 50.6796, 59.3662, 19.8540 looks on a white background.

Color Contrast Check

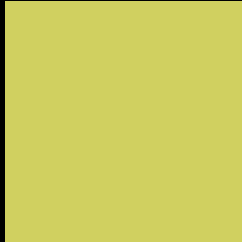
Large Text (above 18pt) WCAG AA × Fail

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 50.6796, 59.3662, 19.8540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

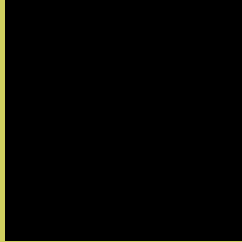
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6796, 59.3662, 19.8540

Background



This preview shows how black text looks on a background with the XYZ color 50.6796, 59.3662, 19.8540.



This preview shows how white text looks on a background with the XYZ color 50.6796, 59.3662,

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

50.6796, 59.3662, 19.8540

Protanopia

54.1168, 59.3673, 19.1965

Deuteranopia

60.4371, 59.1998, 20.2979



Tritanopia

61.0130, 59.3986, 69.8774

Trichromacy



Original Color

50.6796, 59.3662, 19.8540

Protanomaly

52.8103, 59.3943, 19.5073

Deuteranomaly

56.3779, 58.7814, 20.1789

Tritanomaly

56.1346, 58.7721, 45.9216

Monochromacy



Original Color

50.6796, 59.3662, 19.8540

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7317, 56.0911, 40.9537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6796, 59.3662, 19.8540 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, 208, 96)` looks like.

```
.text, #text, p{  
    color:rgb(208, 208, 96)  
}
```

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, 208, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 208, 96) }
```

Border

The CSS property to change the border of an element to XYZ 50.6796, 59.3662, 19.8540 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, 208, 96) }
```


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

```
.border{ border-color:rgb(208, 208, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 208, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 208, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 208, 96);  
box-shadow:4px 4px 4px 4px rgb(208, 208,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6796, 59.3662, 19.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 208, 96) }
```

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

```
.background{ background-color: rgb(208,  
208, 96) }
```

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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