

Converting Colors

XYZ(50.2017, 60.5052, 36.3201)

Have a look what the booklet for
XYZ(50.2017, 60.5052, 36.3201)
contains.

XYZ(50.2178, 60.6110, 36.2465)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.2178, 60.6110,
36.2465)**

Conversions

Conversions Part 1

Format	Color
Hex	BED592
RGB	190, 213, 146
RGB Percent	75%, 84%, 57%
CMY	0.2549, 0.1647, 0.4274
CMYK	0.11, 0.00, 0.31, 0.16
HSL	81°, 44%, 70%
HSV	81°, 31%, 84%
XYZ	50.2178, 60.6110, 36.2465
YIQ	198.4850, 7.7990, -25.7130

Conversions

Conversions Part 2

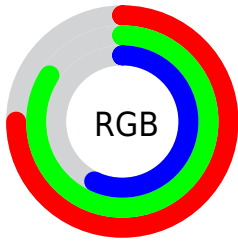
Format	Color
RYB	146, 213, 169
Decimal	12506514
CIELab	82.17, -18.93, 30.65
CIELCh	82, 36.021, 121.704
Yxy	60.6110, 0.3414, 0.4121
Android (android.graphics.Color)	4290696594 (0xFFBED592)
YUV	198.4850, -25.8751, -7.4413
Hunter-Lab	77.8531, -21.1045, 26.8932

Details

The XYZ color **50.2178, 60.6110, 36.2465** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.6538, 33.7986, 67.4407**, and the grayscale version is **54.1225, 56.9411, 62.0088**.

A 20% lighter version of the original color is **84.5431, 95.4643, 68.6141**, and **24.4458, 30.5142, 15.4279** is the 20% darker color. If you saturate the color by 10%, you get **46.9323, 59.0931, 28.2348**, and if you desaturate by 10%, it is **53.9068, 62.3050, 45.8910**.

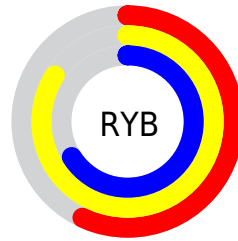
Distribution



Red (75%)

Green (84%)

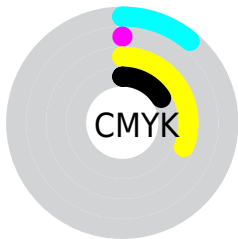
Blue (57%)



Red (57%)

Yellow (84%)

Blue (66%)

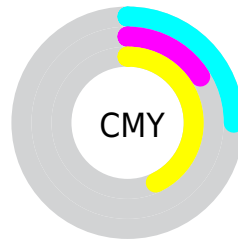


Cyan (11%)

Magenta (0%)

Yellow (31%)

Black (16%)



Cyan (25%)

Magenta (16%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2178, 60.6110, 36.2465 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 50.2178, 60.6110, 36.2465 by changing the saturation by 10% instead.

■ 50.2178, 60.6110,
36.2465

■ 50.2178, 60.6110,
36.2465

377.9550,
426.8463, 345.1066

■ 35.8050, 43.9113,
24.3334

■ 89.6874, 105.7155,
70.5857

■ 24.4530, 30.6008,
15.3667

■ 115.4749,
134.8891, 93.8489

■ 15.7966, 20.2951,
8.9276

145.7846,
168.9894, 121.7325

■ 9.4703, 12.6097,
4.5978

180.9820,
208.4009, 154.6552

■ 5.1087, 7.1603,
1.9587

221.4324,
253.5079, 193.0354

■ 2.3466, 3.5626,
0.5297

267.5011,

■ 0.8184, 1.4320,

304.6949, 237.2917

0.0000

319.5535,
362.3462, 287.8426

■ 0.0000, 0.2401,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2178, 60.6110,
36.2465

■ 50.2178, 60.6110,
36.2465

■ 46.9323, 59.0931,
28.2348

■ 53.9068, 62.3050,
45.8910

■ 44.0272, 57.7357,
21.7614

■ 58.0119, 64.1741,
57.2479

■ 41.4837, 56.5333,
16.7283

■ 62.5506, 66.2276,
70.3963

■ 39.2796, 55.4767,
13.0245

■ 67.5380, 68.4716,
85.4093

■ 37.3891, 54.5555,
10.5228

■ 72.9884, 70.9119,
102.3559

■ 35.7819, 53.7575,
9.0712

■ 75.7379, 72.2832,
104.5680

■ 34.5893, 53.1554,
8.4370

■ 78.1872, 73.5459,
104.6826

■ 80.7368, 74.8603,
104.8019

■ 83.0855, 76.0711,
104.9118

Harmonies

Analogous

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



57.1725, 60.6110, 32.2025



50.2178, 60.6110, 36.2465



45.6012, 60.6110, 47.9692

Triad

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



50.2178, 60.6110, 36.2465



50.9126, 60.6110, 110.4822



73.6016, 60.6110, 64.7498

Complementary

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



50.2178, 60.6110, 36.2465



38.6538, 33.7986, 67.4407

Split Complementary

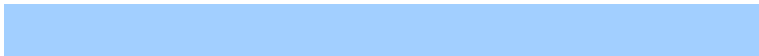
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5587, 60.6110, 88.0507



50.2178, 60.6110, 36.2465



58.0476, 60.6110, 117.7062

Square

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



50.2178, 60.6110, 36.2465



45.9767, 60.6110, 90.7076



65.6919, 60.6110, 108.7248



71.0542, 60.6110, 46.2358

Rectangle

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



50.2178, 60.6110, 36.2465



44.2424, 60.6110, 60.1005



65.6919, 60.6110, 108.7248



73.4282, 60.6110, 72.2630

Sweetspot

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



50.2193, 60.6137, 36.2478



88.7328, 97.1451, 90.4553



46.6954, 44.3520, 33.2947



18.7849, 20.6989, 18.7686



0.0000, 0.0000, 0.0000



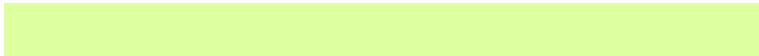
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.2193, 60.6137, 36.2478



71.9819, 89.4792, 45.8703



42.9217, 56.8516, 35.9063



13.0396, 14.2966, 13.2330



21.2410, 32.5265, 5.1587



1.3684, 2.0068, 0.3152

Inverse Universe

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



38.6538, 33.7986, 67.4407



51.8728, 42.8322, 100.1412



46.6034, 37.8968, 67.8127



12.1406, 12.2139, 15.6552



9.1199, 3.8540, 38.7164



0.6376, 0.2776, 2.3393

Previews

White Background



This preview shows how the XYZ color 50.2178, 60.6110, 36.2465 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 50.2178, 60.6110, 36.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

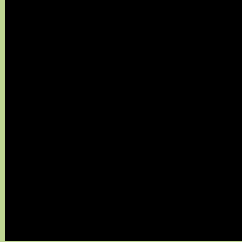
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2178, 60.6110, 36.2465

Background



This preview shows how black text looks on a background with the XYZ color 50.2178, 60.6110, 36.2465.



This preview shows how white text looks on a background with the XYZ color 50.2178, 60.6110,

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

50.2178, 60.6110, 36.2465

Protanopia

55.9906, 60.3544, 34.2897

Deuteranopia

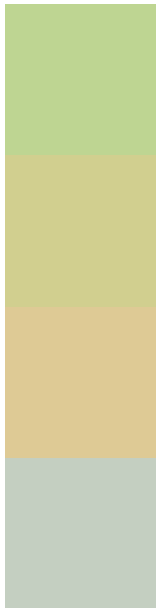
61.5206, 60.3826, 37.2667



Tritanopia

58.3306, 60.6324, 76.3390

Trichromacy



Original Color

50.2178, 60.6110, 36.2465

Protanomaly

53.5652, 60.1641, 34.7762

Deuteranomaly

56.6695, 59.9406, 37.0167

Tritanomaly

54.7034, 60.2117, 59.1909

Monochromacy



Original Color

50.2178, 60.6110, 36.2465

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9983, 57.5686, 51.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2178, 60.6110, 36.2465 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(190, 213, 146)` looks like.

```
.text, #text, p{  
    color:rgb(190, 213, 146)  
}
```

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(190, 213, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 213, 146) }
```

Border

The CSS property to change the border of an element to XYZ 50.2178, 60.6110, 36.2465 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(190, 213, 146) }
```


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

```
.border{ border-color:rgb(190, 213, 146) }
```

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

Here you see how a box with a 4 pixel rgb(190, 213, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 213, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 213, 146);  
box-shadow:4px 4px 4px 4px rgb(190, 213,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2178, 60.6110, 36.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 213, 146) }
```

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

```
.background{ background-color: rgb(190,  
213, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor