

Converting Colors

XYZ(50.5216, 66.0823, 33.3211)

Have a look what the booklet for
XYZ(50.5216, 66.0823, 33.3211)
contains.

XYZ(50.4627, 65.8736, 33.3478) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(50.4627, 65.8736,
33.3478)**

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | B4E288 |
| RGB | 180, 226, 136 |
| RGB Percent | 71%, 89%, 53% |
| CMY | 0.2941, 0.1137, 0.4667 |
| CMYK | 0.20, 0.00, 0.40, 0.11 |
| HSL | 91°, 61%, 71% |
| HSV | 91°, 40%, 89% |
| XYZ | 50.4627, 65.8736, 33.3478 |
| YIQ | 201.9860, 1.4740, -37.7420 |

Conversions

Conversions Part 2

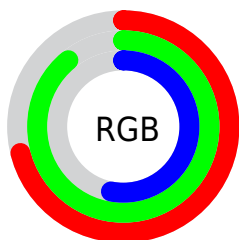
| Format | Color |
|-------------------------------------|--|
| RYB | 136, 226, 182 |
| Decimal | 11854472 |
| CIELab | 84.93, -30.18, 39.21 |
| CIELCh | 85, 49.479, 127.590 |
| Yxy | 65.8736, 0.3371, 0.4401 |
| Android (android.graphics.Color) | 4290044552 (0xFFB4E288) |
| YUV | 201.9860, -32.5311, -19.2817 |
| Hunter-Lab | 81.1626, -31.0524, 32.4529 |

Details

The XYZ color **50.4627, 65.8736, 33.3478** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **41.8258, 33.0463, 76.1293**, and the grayscale version is **56.3277, 59.2612, 64.5354**.

A 20% lighter version of the original color is **79.9793, 93.2422, 62.4974**, and **24.4324, 33.7495, 13.6141** is the 20% darker color. If you saturate the color by 10%, you get **46.4451, 63.9709, 25.6415**, and if you desaturate by 10%, it is **55.0465, 68.0331, 42.8511**.

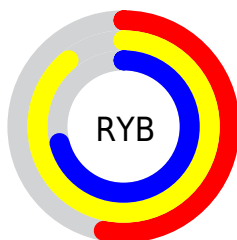
Distribution



Red (71%)

Green (89%)

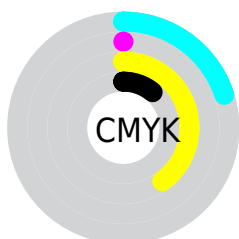
Blue (53%)



Red (53%)

Yellow (89%)

Blue (71%)

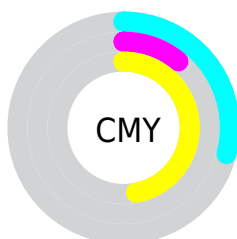


Cyan (20%)

Magenta (0%)

Yellow (40%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4627, 65.8736, 33.3478 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 50.4627, 65.8736, 33.3478 by changing the saturation by 10% instead.


 50.4627, 65.8736,
33.3478


 50.4627, 65.8736,
33.3478


378.8948,
445.9247, 331.8940


 36.0005, 48.1698,
22.1197


 90.0478, 113.3049,
66.0404

 24.6047, 33.9614,
13.7457


 115.9014,
143.8012, 88.3420

 15.9099, 22.8639,
7.8073


 146.2828,
179.3304, 115.1719

 9.5509, 14.4931,
3.8859

181.5574,
220.2770, 146.9485

 5.1622, 8.4644,
1.5630

222.0905,
267.0253, 184.0905

 2.3785, 4.3935,
0.2642


268.2476,


 0.8344, 1.8960,


319.9598, 227.0164


0.0000

320.3939,
379.4648, 276.1447


 0.0000, 0.5460,
0.0000

 0.0000, 0.0000,
0.0000


 50.4627, 65.8736,
33.3478


 50.4627, 65.8736,
33.3478


 46.4451, 63.9709,
25.6415


 55.0465, 68.0331,
42.8511


 42.9618, 62.3050,
19.6145


 60.2163, 70.4513,
54.2504


 39.9850, 60.8663,
15.1420


 65.9971, 73.1409,
67.6429


 37.4813, 59.6408,
12.0800


 72.4105, 76.1113,
83.1175

 35.4123, 58.6124,
10.2575

 79.4773, 79.3713,
100.7581

 33.7161, 57.7556,
9.3824

 84.4266, 81.8129,
105.9495

 33.6884, 57.7415,
9.3697

 86.4877, 82.8755,
106.0459

Harmonies

Analogous

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



59.8314, 65.8736, 26.5666



50.4627, 65.8736, 33.3478



44.8653, 65.8736, 50.8378

Triad

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



50.4627, 65.8736, 33.3478



54.8148, 65.8736, 144.4559



86.2633, 65.8736, 63.9439

Complementary

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



50.4627, 65.8736, 33.3478



41.8258, 33.0463, 76.1293

Split Complementary

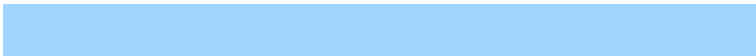
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5095, 65.8736, 97.6690



50.4627, 65.8736, 33.3478



65.4751, 65.8736, 151.0681

Square

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



50.4627, 65.8736, 33.3478



47.1629, 65.8736, 115.8933



76.5672, 65.8736, 131.9477



81.1100, 65.8736, 40.5031

Rectangle

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



50.4627, 65.8736, 33.3478



43.6006, 65.8736, 69.1831



76.5672, 65.8736, 131.9477



86.4718, 65.8736, 74.3287

Sweetspot

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



50.4643, 65.8765, 33.3492



84.9868, 95.3368, 84.7283



52.3344, 50.9965, 30.3785



17.9719, 20.3043, 17.6240



0.0000, 0.0000, 0.0000



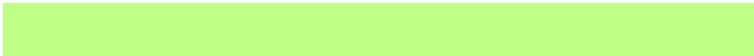
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4643, 65.8765, 33.3492



61.8147, 84.4658, 35.0912



41.7956, 61.4076, 32.9435



14.1635, 15.6645, 14.5838



19.3545, 33.0101, 5.3515



1.4447, 2.3412, 0.3758

Inverse Universe

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



41.8258, 33.0463, 76.1293



48.9311, 35.5098, 98.8829



53.8983, 39.2699, 76.6943



13.6167, 13.5860, 17.2924



12.0418, 5.3031, 41.4373



0.9380, 0.4208, 2.8770

Previews

White Background



This preview shows how the XYZ color 50.4627, 65.8736, 33.3478 looks on a white background.

Color Contrast Check

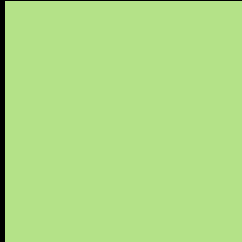
Large Text (above 18pt) WCAG AA × Fail

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 50.4627, 65.8736, 33.3478 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 50.4627, 65.8736, 33.3478

Background



This preview shows how black text looks on a background with the XYZ color 50.4627, 65.8736, 33.3478.

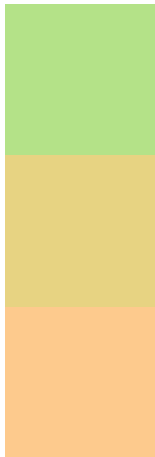


This preview shows how white text looks on a background with the XYZ color 50.4627, 65.8736,

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

50.4627, 65.8736, 33.3478

Protanopia

60.2785, 65.1892, 30.5248

Deuteranopia

66.4363, 65.0468, 34.2530



Tritanopia

61.1141, 65.8964, 85.8422

Trichromacy



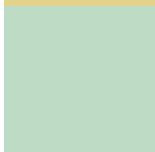
Original Color
50.4627, 65.8736, 33.3478



Protanomaly
55.8721, 64.7747, 31.3878



Deuteranomaly
59.3185, 64.6214, 33.7728

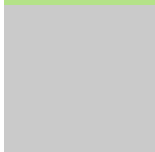


Tritanomaly
56.3958, 65.5131, 62.4962

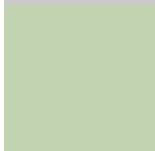
Monochromacy



Original Color
50.4627, 65.8736, 33.3478



Achromatopsia
56.1383, 59.0619, 64.3184



Achromatomaly
53.5783, 61.2722, 51.1223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4627, 65.8736, 33.3478 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(180, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 136)  
}
```

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(180, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 136) }
```

Border

The CSS property to change the border of an element to XYZ 50.4627, 65.8736, 33.3478 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(180, 226, 136) }
```


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

```
.border{ border-color:rgb(180, 226, 136) }
```

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

Here you see how a box with a 4 pixel rgb(180, 226, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 136);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4627, 65.8736, 33.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 136) }
```

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

```
.background{ background-color: rgb(180,  
226, 136) }
```

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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