

Converting Colors

XYZ(48.7933, 58.4711, 33.1320)

Have a look what the booklet for
XYZ(48.7933, 58.4711, 33.1320)
contains.

XYZ(48.6959, 58.4122, 33.1342)	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(48.6959, 58.4122,
33.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	BED18B
RGB	190, 209, 139
RGB Percent	75%, 82%, 55%
CMY	0.2549, 0.1804, 0.4549
CMYK	0.09, 0.00, 0.33, 0.18
HSL	76°, 43%, 68%
HSV	76°, 33%, 82%
XYZ	48.6959, 58.4122, 33.1342
YIQ	195.3390, 11.1460, -25.7980

Conversions

Conversions Part 2

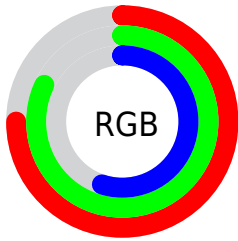
Format	Color
RYB	139, 209, 158
Decimal	12505483
CIELab	80.97, -17.88, 32.66
CIELCh	81, 37.232, 118.693
Yxy	58.4122, 0.3472, 0.4165
Android (android.graphics.Color)	4290695563 (0xFFBED18B)
YUV	195.3390, -27.7751, -4.6823
Hunter-Lab	76.4279, -20.0178, 27.7952

Details

The XYZ color **48.6959, 58.4122, 33.1342** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.8441, 30.3393, 64.3445**, and the grayscale version is **52.2312, 54.9513, 59.8419**.

A 20% lighter version of the original color is **83.7434, 95.1444, 64.4030**, and **23.6361, 29.3815, 13.6580** is the 20% darker color. If you saturate the color by 10%, you get **45.9232, 57.1446, 25.7808**, and if you desaturate by 10%, it is **51.8187, 59.8303, 42.0303**.

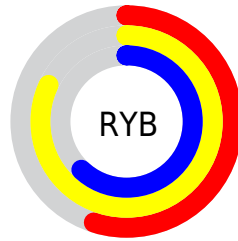
Distribution



Red (75%)

Green (82%)

Blue (55%)



Red (55%)

Yellow (82%)

Blue (62%)

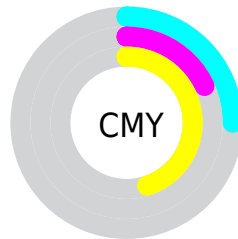


Cyan (9%)

Magenta (0%)

Yellow (33%)

Black (18%)



Cyan (25%)

Magenta (18%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6959, 58.4122, 33.1342 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 48.6959, 58.4122, 33.1342 by changing the saturation by 10% instead.

■ 48.6959, 58.4122,
33.1342

■ 48.6959, 58.4122,
33.1342

372.0808,
418.7201, 330.9045

■ 34.5918, 42.1401,
21.9573

■ 87.4431, 102.5229,
65.7034

■ 23.5137, 29.2110,
13.6275

■ 112.8169,
131.1303, 87.9328

■ 15.0960, 19.2405,
7.7263

■ 142.6780,
164.6182, 114.6835

■ 8.9736, 11.8442,
3.8351

177.3918,
203.3711, 146.3739

■ 4.7809, 6.6377,
1.5353

217.3237,
247.7734, 183.4227

■ 2.1527, 3.2366,
0.2440

262.8388,

■ 0.7176, 1.2564,

298.2093, 226.2484

0.0000

314.3028,
355.0635, 275.2695

■ 0.0000, 0.1071,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6959, 58.4122,
33.1342

■ 48.6959, 58.4122,
33.1342

■ 45.9232, 57.1446,
25.7808

■ 51.8187, 59.8303,
42.0303

■ 43.4789, 56.0126,
19.8784


■ 55.3033, 61.3975,
52.5463


■ 41.3454, 55.0112,
15.3315


■ 59.1658, 63.1224,
64.7588


■ 39.5015, 54.1317,
12.0314


■ 63.4205, 65.0107,
78.7382


 37.9229, 53.3645,
9.8531


 68.0803, 67.0678,
94.5513


 36.5800, 52.6975,
8.6450

 71.6063, 68.6780,
104.0899

 35.8000, 52.3043,
8.2089

 73.3949, 69.6001,
104.1736

 75.2428, 70.5527,
104.2601

 77.1505, 71.5362,
104.3493

Harmonies

Analogous

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



55.8582, 58.4122, 29.8761



48.6959, 58.4122, 33.1342



43.7827, 58.4122, 43.9776

Triad

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



48.6959, 58.4122, 33.1342



48.1607, 58.4122, 107.2520



71.7124, 58.4122, 64.5752

Complementary

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



48.6959, 58.4122, 33.1342



34.8441, 30.3393, 64.3445

Split Complementary

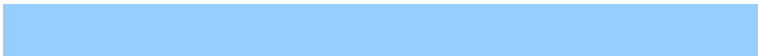
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1850, 58.4122, 88.3346



48.6959, 58.4122, 33.1342



55.1813, 58.4122, 116.2420

Square

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



48.6959, 58.4122, 33.1342



43.4945, 58.4122, 86.2611



62.9515, 58.4122, 108.6312



69.5777, 58.4122, 45.3035

Rectangle

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



48.6959, 58.4122, 33.1342



42.2039, 58.4122, 55.6281



62.9515, 58.4122, 108.6312



71.3760, 58.4122, 72.3014

Sweetspot

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



48.6974, 58.4148, 33.1354



88.7115, 97.1757, 88.5765



43.1269, 39.7613, 29.8286



18.8079, 20.7191, 18.3956



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.



48.6974, 58.4148, 33.1354



73.2857, 90.2010, 43.6850



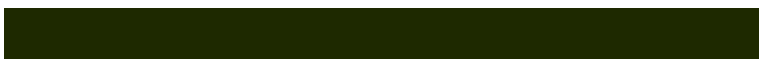
41.0442, 54.4695, 32.7773



12.4774, 13.6295, 12.5852



22.1706, 32.2983, 5.0657



1.3134, 1.8440, 0.2867

Inverse Universe

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



34.8441, 30.3393, 64.3445



48.4250, 39.7890, 99.7355



42.6507, 34.3638, 64.7099



11.4606, 11.5707, 14.8730



8.2087, 3.4120, 37.4184



0.5358, 0.2304, 2.0958

Previews

White Background



This preview shows how the XYZ color 48.6959, 58.4122, 33.1342 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 48.6959, 58.4122, 33.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

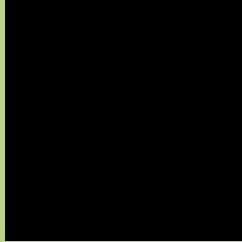
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

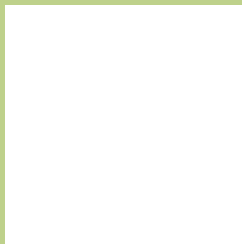
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6959, 58.4122, 33.1342

Background



This preview shows how black text looks on a background with the XYZ color 48.6959, 58.4122, 33.1342.



This preview shows how white text looks on a background with the XYZ color 48.6959, 58.4122,

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

48.6959, 58.4122, 33.1342

Protanopia

53.9458, 58.3026, 31.7028

Deuteranopia

59.4042, 58.0332, 34.0572



Tritanopia

56.5086, 58.0325, 72.5130

Trichromacy



Original Color

48.6959, 58.4122, 33.1342

Protanomaly

51.8403, 58.2573, 32.1794

Deuteranomaly

54.8954, 57.7133, 33.8377

Tritanomaly

53.0905, 58.0355, 55.4175

Monochromacy



Original Color

48.6959, 58.4122, 33.1342

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.3845, 55.7412, 48.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6959, 58.4122, 33.1342 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, 209, 139)` looks like.

```
.text, #text, p{  
    color:rgb(190, 209, 139)  
}
```

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, 209, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 209, 139) }
```

Border

The CSS property to change the border of an element to XYZ 48.6959, 58.4122, 33.1342 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, 209, 139) }
```


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

```
.border{ border-color:rgb(190, 209, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 209, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 209, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 209, 139);  
box-shadow:4px 4px 4px 4px rgb(190, 209,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6959, 58.4122, 33.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 209, 139) }
```

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

```
.background{ background-color: rgb(190,  
209, 139) }
```

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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