

Converting Colors

XYZ(33.8747, 46.9596, 29.1085)

Have a look what the booklet for
XYZ(33.8747, 46.9596, 29.1085)
contains.

XYZ(33.8747, 46.9596, 29.1085)	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(33.8747, 46.9596,
29.1085)**

Conversions

Conversions Part 1

Format	Color
Hex	84C684
RGB	132, 198, 132
RGB Percent	52%, 78%, 52%
CMY	0.4823, 0.2235, 0.4823
CMYK	0.33, 0.00, 0.33, 0.22
HSL	120°, 37%, 65%
HSV	120°, 33%, 78%
XYZ	33.8747, 46.9596, 29.1085
YIQ	170.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

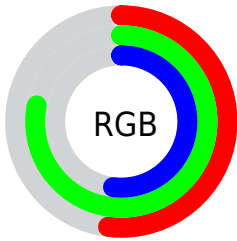
Format	Color
RYB	132, 198, 198
Decimal	8701572
CIELab	74.16, -34.14, 26.62
CIELCh	74, 43.287, 142.059
Yxy	46.9596, 0.3081, 0.4271
Android (android.graphics.Color)	4286891652 (0xFF84C684)
YUV	170.7420, -19.0998, -33.9767
Hunter-Lab	68.5271, -31.6852, 22.7841

Details

The XYZ color **33.8747, 46.9596, 29.1085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7346, 32.5866, 57.5183**, and the grayscale version is **38.6795, 40.6939, 44.3156**.

A 20% lighter version of the original color is **65.1164, 85.6300, 59.5506**, and **14.7207, 22.2180, 11.4953** is the 20% darker color. If you saturate the color by 10%, you get **29.8386, 45.0222, 22.5057**, and if you desaturate by 10%, it is **38.7581, 49.3068, 37.0953**.

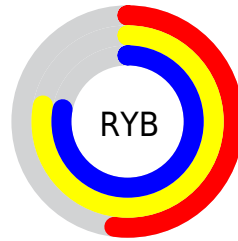
Distribution



Red (52%)

Green (78%)

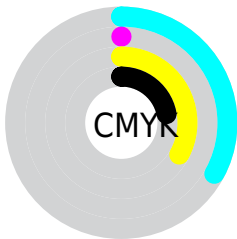
Blue (52%)



Red (52%)

Yellow (78%)

Blue (78%)

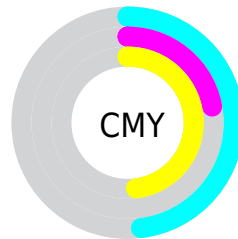


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (48%)

Magenta (22%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8747, 46.9596, 29.1085 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 33.8747, 46.9596, 29.1085 by changing the saturation by 10% instead.

■ 33.8747, 46.9596,
29.1085

■ 33.8747, 46.9596,
29.1085

311.1687,
374.6532, 311.8035

■ 22.9598, 33.0037,
18.9166

■ 65.0844, 85.6533,
59.2937

■ 14.6844, 22.1293,
11.4339

■ 86.1098, 111.1599,
80.1240

■ 8.6830, 13.9519,
6.2416

■ 111.2362,
141.2856, 105.3377

■ 4.5905, 8.0872,
2.9214

140.8288,
176.4147, 135.3531

■ 2.0413, 4.1508,
1.0546

175.2530,
216.9316, 170.5888

■ 0.6570, 1.7583,
0.0000

214.8741,

■ 0.0000, 0.4610,

263.2207, 211.4635

0.0000

260.0576,
315.6665, 258.3955

■ 0.0000, 0.0000,
0.0000

■ 33.8747, 46.9596,
29.1085

■ 33.8747, 46.9596,
29.1085

■ 29.8386, 45.0222,
22.5057

■ 38.7581, 49.3068,
37.0953

■ 26.5981, 43.4657,
17.2053

■ 44.5293, 52.0790,
46.5351

■ 24.1018, 42.2666,
13.1222


■ 51.2306, 55.2979,
57.4963


■ 22.2907, 41.3966,
10.1597


■ 58.9005, 58.9822,
70.0418


■ 21.0967, 40.8231,
8.2066

■ 67.5753, 63.1491,
84.2310

 20.4378, 40.5066,
7.1290

 77.2896, 67.8154,
100.1204

 20.1950, 40.3899,
6.7317

 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



39.2636, 46.9596, 20.8819



33.8747, 46.9596, 29.1085



31.4321, 46.9596, 45.4540

Triad

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



33.8747, 46.9596, 29.1085



42.6047, 46.9596, 106.1735



59.9321, 46.9596, 36.7089

Complementary

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



33.8747, 46.9596, 29.1085



41.7346, 32.5866, 57.5183

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.



61.0942, 46.9596, 57.2621



33.8747, 46.9596, 29.1085



50.4724, 46.9596, 101.8124

Square

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



33.8747, 46.9596, 29.1085



36.0773, 46.9596, 92.7550



57.4590, 46.9596, 82.1462



54.4460, 46.9596, 24.3016

Rectangle

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



33.8747, 46.9596, 29.1085



31.5796, 46.9596, 60.5835



57.4590, 46.9596, 82.1462



60.8651, 46.9596, 42.7167

Sweetspot

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



33.8759, 46.9616, 29.1095



82.4457, 93.9455, 88.2834



47.6496, 54.0622, 29.7540



17.2975, 19.9404, 18.3249



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.



33.8759, 46.9616, 29.1095



54.6467, 80.5922, 42.8130



36.5027, 48.0123, 42.9420



10.4975, 11.8879, 11.3041



13.1327, 26.2655, 4.3776



0.6218, 1.2437, 0.2073

Inverse Universe

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



41.7346, 32.5866, 57.5183



70.6811, 51.2624, 100.7764



38.3330, 31.2259, 39.6054



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 33.8747, 46.9596, 29.1085 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 33.8747, 46.9596, 29.1085 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 33.8747, 46.9596, 29.1085

Background



This preview shows how black text looks on a background with the XYZ color 33.8747, 46.9596, 29.1085.

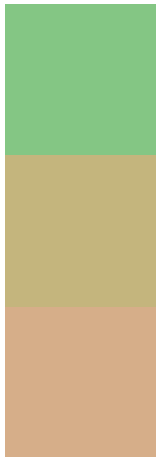


This preview shows how white text looks on a background with the XYZ color 33.8747, 46.9596,

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

33.8747, 46.9596, 29.1085

Protanopia

42.9905, 46.2642, 26.0661

Deuteranopia

47.3830, 46.3744, 30.1207



Tritanopia

40.7737, 46.7746, 64.0061

Trichromacy



Original Color

33.8747, 46.9596, 29.1085

Protanomaly

38.9002, 45.9834, 27.2475

Deuteranomaly

41.0738, 45.8066, 29.5984

Tritanomaly

37.7007, 46.4891, 49.1057

Monochromacy



Original Color

33.8747, 46.9596, 29.1085

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.5143, 42.6502, 38.2061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8747, 46.9596, 29.1085 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(132, 198, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 198, 132)  
}
```

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(132, 198, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 198, 132) }
```

Border

The CSS property to change the border of an element to XYZ 33.8747, 46.9596, 29.1085 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(132, 198, 132) }
```


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

```
.border{ border-color:rgb(132, 198, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 198, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 198, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 198, 132); box-shadow:4px 4px 4px 4px rgb(132, 198, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8747, 46.9596, 29.1085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 198, 132) }
```

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

```
.background{ background-color: rgb(132,  
198, 132) }
```

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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