

Converting Colors

XYZ(33.6259, 46.9880, 21.5247)

Have a look what the booklet for
XYZ(33.6259, 46.9880, 21.5247)
contains.

XYZ(33.5483, 46.9598, 21.4833)	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(33.5483, 46.9598,
21.4833)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC66C
RGB	139, 198, 108
RGB Percent	55%, 78%, 42%
CMY	0.4549, 0.2235, 0.5765
CMYK	0.30, 0.00, 0.45, 0.22
HSL	99°, 44%, 60%
HSV	99°, 45%, 78%
XYZ	33.5483, 46.9598, 21.4833
YIQ	170.0990, -6.2740, -40.4980

Conversions

Conversions Part 2

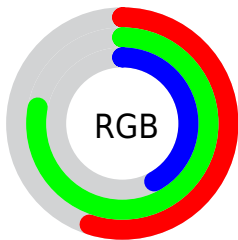
Format	Color
RYB	108, 198, 167
Decimal	9160300
CIELab	74.16, -35.28, 39.02
CIELCh	74, 52.607, 132.118
Yxy	46.9598, 0.3289, 0.4604
Android (android.graphics.Color)	4287350380 (0xFF8BC66C)
YUV	170.0990, -30.6148, -27.2738
Hunter-Lab	68.5272, -32.5359, 29.3816

Details

The XYZ color **33.5483, 46.9598, 21.4833** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **31.4940, 23.0192, 56.2118**, and the grayscale version is **38.4090, 40.4093, 44.0057**.

A 20% lighter version of the original color is **64.6987, 85.6953, 46.8491**, and **14.5747, 22.2304, 7.5257** is the 20% darker color. If you saturate the color by 10%, you get **30.5719, 45.5351, 16.4543**, and if you desaturate by 10%, it is **37.0237, 48.6170, 27.7868**.

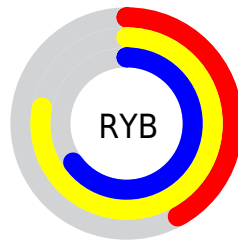
Distribution



Red (55%)

Green (78%)

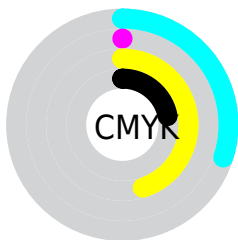
Blue (42%)



Red (42%)

Yellow (78%)

Blue (65%)

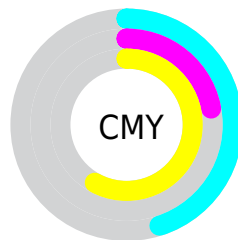


Cyan (30%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (45%)

Magenta (22%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5483, 46.9598, 21.4833 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 33.5483, 46.9598, 21.4833 by changing the saturation by 10% instead.


 33.5483, 46.9598,
21.4833


 33.5483, 46.9598,
21.4833


309.7347,
374.6540, 272.7008


 22.7081, 33.0039,
13.2831

 64.5796, 85.6536,
46.7817


 14.4976, 22.1294,
7.4907


 85.5013, 111.1603,
64.7169

 8.5516, 13.9520,
3.6878


 110.5143,
141.2860, 86.7342

 4.5046, 8.0873,
1.4557

 139.9838,
176.4152, 113.2522

 1.9914, 4.1509,
0.1846

174.2753,
216.9322, 144.6892

 0.6291, 1.7583,
0.0000

213.7540,

 0.0000, 0.4610,

263.2214, 181.4640

0.0000

258.7853,
315.6672, 223.9950

■ 0.0000, 0.0000,
0.0000

■ 33.5483, 46.9598,
21.4833

■ 33.5483, 46.9598,
21.4833

■ 30.5719, 45.5351,
16.4543

■ 37.0237, 48.6170,
27.7868

■ 28.0658, 44.3256,
12.6098

■ 41.0181, 50.5109,
35.4403

■ 26.0030, 43.3211,
9.8531


■ 45.5545, 52.6533,
44.5173


■ 24.3520, 42.5077,
8.0709


■ 50.6532, 55.0532,
55.0849


■ 23.0758, 41.8695,
7.1238

■ 56.3338, 57.7192,
67.2062

 22.5926, 41.6261,
6.8439

 62.6145, 60.6595,
80.9403

 69.5129, 63.8820,
96.3434

 75.1545, 66.6376,
103.5090

 79.4850, 68.8701,
103.7117

Harmonies

Analogous

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



40.9362, 46.9598, 15.3190



33.5483, 46.9598, 21.4833



29.5111, 46.9598, 36.7908

Triad

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



33.5483, 46.9598, 21.4833



39.2964, 46.9598, 118.1503



64.8039, 46.9598, 40.9903

Complementary

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



33.5483, 46.9598, 21.4833



31.4940, 23.0192, 56.2118

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.



64.2009, 46.9598, 68.7843



33.5483, 46.9598, 21.4833



48.5478, 46.9598, 120.5277

Square

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



33.5483, 46.9598, 21.4833



32.4940, 46.9598, 94.4428



57.9265, 46.9598, 100.1098



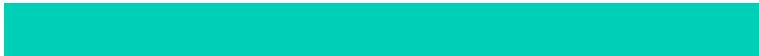
59.4737, 46.9598, 23.6214

Rectangle

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



33.5483, 46.9598, 21.4833



28.8608, 46.9598, 53.0734



57.9265, 46.9598, 100.1098



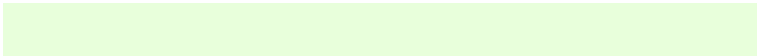
65.3072, 46.9598, 49.2371

Sweetspot

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



33.5495, 46.9618, 21.4843



81.7333, 93.7385, 81.0106



39.7246, 40.5450, 19.9203



17.0940, 19.8752, 16.5233



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.



33.5495, 46.9618, 21.4843



53.9555, 80.5443, 28.8472



29.8618, 44.9712, 25.3576



10.8362, 12.0625, 11.3199



14.7753, 27.1122, 4.4544



0.7776, 1.3240, 0.2146

Inverse Universe

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



31.4940, 23.0192, 56.2118



49.7995, 32.6461, 98.2844



37.3573, 26.2138, 48.7157



10.7147, 10.6267, 13.4039



12.6912, 5.7768, 35.1905



0.6766, 0.3125, 1.6698

Previews

White Background



This preview shows how the XYZ color 33.5483, 46.9598, 21.4833 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 33.5483, 46.9598, 21.4833 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 33.5483, 46.9598, 21.4833

Background



This preview shows how black text looks on a background with the XYZ color 33.5483, 46.9598, 21.4833.



This preview shows how white text looks on a background with the XYZ color 33.5483, 46.9598,

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

33.5483, 46.9598, 21.4833

Protanopia

42.6794, 46.5573, 19.3074

Deuteranopia

47.1942, 46.1621, 22.3424



Tritanopia

41.7574, 46.6749, 62.6854

Trichromacy



Original Color

33.5483, 46.9598, 21.4833

Protanomaly

38.6134, 46.3130, 20.0009

Deuteranomaly

40.8878, 45.5729, 21.9707

Tritanomaly

38.0931, 46.4783, 44.0093

Monochromacy



Original Color

33.5483, 46.9598, 21.4833

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

35.8858, 42.1200, 33.8424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5483, 46.9598, 21.4833 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(139, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(139, 198, 108)  
}
```

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(139, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 198, 108) }
```

Border

The CSS property to change the border of an element to XYZ 33.5483, 46.9598, 21.4833 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(139, 198, 108) }
```


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

```
.border{ border-color:rgb(139, 198, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(139, 198,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5483, 46.9598, 21.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 198, 108) }
```

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

```
.background{ background-color: rgb(139,  
198, 108) }
```

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