

Converting Colors

XYZ(33.1708, 46.6492, 11.5035)

Have a look what the booklet for
XYZ(33.1708, 46.6492, 11.5035)
contains.

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Color

**XYZ(33.1763, 46.6483,
11.5304)**

Conversions

Conversions Part 1

Format	Color
Hex	95C53C
RGB	149, 197, 60
RGB Percent	58%, 77%, 24%
CMY	0.4157, 0.2274, 0.7647
CMYK	0.24, 0.00, 0.70, 0.23
HSL	81°, 54%, 50%
HSV	81°, 70%, 77%
XYZ	33.1763, 46.6483, 11.5304
YIQ	167.0300, 15.3690, -52.7830

Conversions

Conversions Part 2

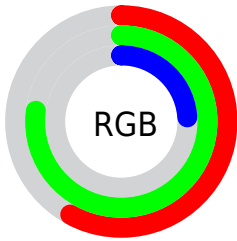
Format	Color
RYB	60, 197, 108
Decimal	9815356
CIELab	73.96, -35.73, 60.49
CIELCh	74, 70.254, 120.570
Yxy	46.6483, 0.3632, 0.5106
Android (android.graphics.Color)	4288005436 (0xFF95C53C)
YUV	167.0300, -52.7658, -15.8123
Hunter-Lab	68.2996, -32.8184, 37.8003

Details

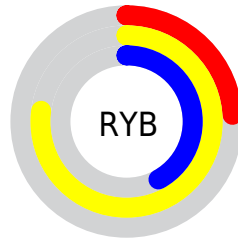
The XYZ color **33.1763, 46.6483, 11.5304** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.8801, 10.4524, 53.9011**, and the grayscale version is **36.9902, 38.9166, 42.3802**.

A 20% lighter version of the original color is **63.9899, 85.2432, 29.3006**, and **14.4386, 22.0246, 3.4902** is the 20% darker color. If you saturate the color by 10%, you get **31.5274, 45.8492, 9.2228**, and if you desaturate by 10%, it is **35.0959, 47.5676, 14.8641**.

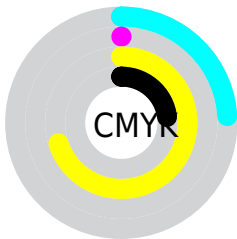
Distribution



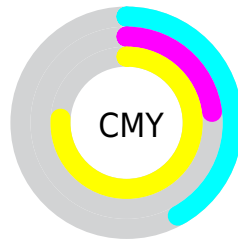
- Red (58%)
- Green (77%)
- Blue (24%)



- Red (24%)
- Yellow (77%)
- Blue (42%)



- Cyan (24%)
- Magenta (0%)
- Yellow (70%)
- Black (23%)



- Cyan (42%)
- Magenta (23%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1763, 46.6483, 11.5304 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 33.1763, 46.6483, 11.5304 by changing the saturation by 10% instead.

■ 33.1763, 46.6483,
11.5304

■ 33.1763, 46.6483,
11.5304

308.0944,
373.4089, 212.1375

■ 22.4214, 32.7577,
6.3061

■ 64.0035, 85.1884,
29.2884

■ 14.2852, 21.9409,
2.9603

■ 84.8066, 110.6067,
42.6592

■ 8.4023, 13.8135,
1.0744

■ 109.6897,
140.6364, 59.5826

■ 4.4074, 7.9911,
0.0000

■ 139.0183,
175.6618, 80.4771

■ 1.9351, 4.0892,
0.0000

■ 173.1577,
216.0674, 105.7614

■ 0.5971, 1.7236,
0.0000

212.4733,

■ 0.0000, 0.4389,

262.2375, 135.8538

0.0000

257.3304,
314.5565, 171.1730

■ 0.0000, 0.0000,
0.0000

■ 33.1763, 46.6483,
11.5304

■ 33.1763, 46.6483,
11.5304

■ 31.5274, 45.8492,
9.2228

■ 35.0959, 47.5676,
14.8641

■ 30.1219, 45.1542,
7.8184

■ 37.3034, 48.6092,
19.3227

■ 28.9181, 44.5483,
7.1005

■ 39.8181, 49.7826,
24.9965

■ 28.8655, 44.5217,
7.0722

■ 42.6565, 51.0946,
31.9660

■ 45.8337, 52.5512,
40.3047

■ 49.3637, 54.1583,
50.0805

■ 53.2598, 55.9212,
61.3571

■ 57.5342, 57.8450,
74.1940

■ 62.1989, 59.9347,
88.6477

Harmonies

Analogous

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



44.0984, 46.6483, 8.3174



33.1763, 46.6483, 11.5304



26.4870, 46.6483, 23.8680

Triad

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



33.1763, 46.6483, 11.5304



33.5198, 46.6483, 137.7312



73.0638, 46.6483, 50.1084

Complementary

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



33.1763, 46.6483, 11.5304



17.8801, 10.4524, 53.9011

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.



68.8122, 46.6483, 92.8099



33.1763, 46.6483, 11.5304



44.5780, 46.6483, 155.7780

Square

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



33.1763, 46.6483, 11.5304



26.6575, 46.6483, 94.5992



57.7579, 46.6483, 136.4000



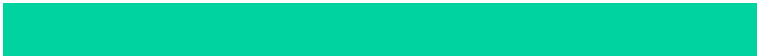
68.4913, 46.6483, 23.1562

Rectangle

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



33.1763, 46.6483, 11.5304



24.5609, 46.6483, 40.3030



57.7579, 46.6483, 136.4000



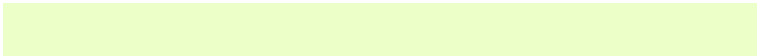
72.6120, 46.6483, 62.9593

Sweetspot

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



33.1774, 46.6504, 11.5314



81.0262, 93.6316, 69.3385



29.2006, 22.9128, 7.1592



16.9947, 19.8816, 13.9178



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.



33.1774, 46.6504, 11.5314



55.2206, 81.5012, 15.1402



24.1383, 41.9905, 11.1084



11.1493, 12.2239, 11.3346



19.0784, 29.3305, 4.6558



0.9796, 1.4281, 0.2240

Inverse Universe

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



17.8801, 10.4524, 53.9011



26.3318, 12.7908, 95.6888



29.7021, 16.5468, 54.4544



10.4014, 10.4652, 13.3893



8.3267, 3.5268, 34.9862



0.4727, 0.2074, 1.6603

Previews

White Background



This preview shows how the XYZ color 33.1763, 46.6483, 11.5304 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 33.1763, 46.6483, 11.5304 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 33.1763, 46.6483, 11.5304

Background



This preview shows how black text looks on a background with the XYZ color 33.1763, 46.6483, 11.5304.



This preview shows how white text looks on a background with the XYZ color 33.1763, 46.6483,

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

33.1763, 46.6483, 11.5304

Protanopia

42.0704, 46.4379, 10.4875

Deuteranopia

47.1907, 46.1035, 12.0419



Tritanopia

42.9663, 46.4038, 60.7251

Trichromacy



Original Color

33.1763, 46.6483, 11.5304

Protanomaly

38.0373, 45.9033, 10.7263

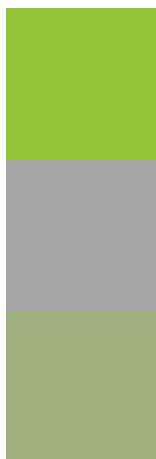
Deuteranomaly

40.7959, 45.4469, 11.7762

Tritanomaly

37.8410, 45.9042, 34.8829

Monochromacy



Original Color

33.1763, 46.6483, 11.5304

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.3139, 40.8729, 26.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1763, 46.6483, 11.5304 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(149, 197, 60)` looks like.

```
.text, #text, p{  
    color:rgb(149, 197, 60)  
}
```

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(149, 197, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 197, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.1763, 46.6483, 11.5304 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(149, 197, 60) }
```


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

```
.border{ border-color:rgb(149, 197, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 197, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 197, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 197, 60);  
box-shadow:4px 4px 4px 4px rgb(149, 197,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1763, 46.6483, 11.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 197, 60) }
```

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

```
.background{ background-color: rgb(149,  
197, 60) }
```

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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