

Converting Colors

XYZ(33.2880, 48.1698, 11.6576)

Have a look what the booklet for
XYZ(33.2880, 48.1698, 11.6576)
contains.

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Color

**XYZ(33.1777, 48.0183,
11.6575)**

Conversions

Conversions Part 1

Format	Color
Hex	90C93B
RGB	144, 201, 59
RGB Percent	56%, 79%, 23%
CMY	0.4353, 0.2117, 0.7686
CMYK	0.28, 0.00, 0.71, 0.21
HSL	84°, 57%, 51%
HSV	84°, 71%, 79%
XYZ	33.1777, 48.0183, 11.6575
YIQ	167.7690, 11.6100, -56.2460

Conversions

Conversions Part 2

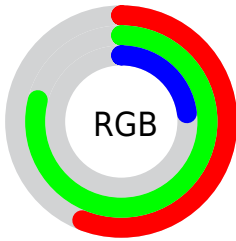
Format	Color
RYB	59, 201, 116
Decimal	9488699
CIELab	74.84, -39.49, 61.65
CIElCh	75, 73.208, 122.640
Yxy	48.0183, 0.3573, 0.5171
Android (android.graphics.Color)	4287678779 (0xFF90C93B)
YUV	167.7690, -53.6231, -20.8454
Hunter-Lab	69.2952, -35.8031, 38.5323

Details

The XYZ color **33.1777, 48.0183, 11.6575** 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 **19.3110, 11.0593, 56.3779**, and the grayscale version is **37.3581, 39.3036, 42.8016**.

A 20% lighter version of the original color is **62.8847, 85.1524, 29.0413**, and **14.4582, 22.9421, 3.6662** is the 20% darker color. If you saturate the color by 10%, you get **31.3944, 47.1496, 9.3573**, and if you desaturate by 10%, it is **35.2646, 49.0234, 15.0211**.

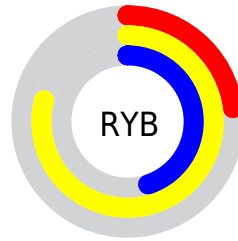
Distribution



Red (56%)

Green (79%)

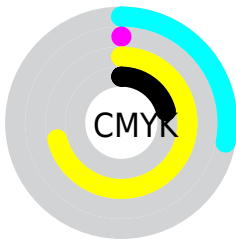
Blue (23%)



Red (23%)

Yellow (79%)

Blue (45%)

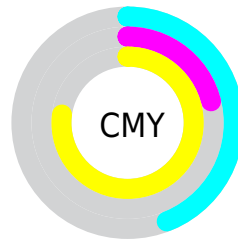


Cyan (28%)

Magenta (0%)

Yellow (71%)

Black (21%)



Cyan (44%)

Magenta (21%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1777, 48.0183, 11.6575 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 33.1777, 48.0183, 11.6575 by changing the saturation by 10% instead.

■ 33.1777, 48.0183,
11.6575

■ 33.1777, 48.0183,
11.6575

308.1005,
378.8647, 213.0213

■ 22.4225, 33.8414,
6.3912

■ 64.0057, 87.2317,
29.5248

■ 14.2860, 22.7718,
3.0118

■ 84.8092, 113.0369,
42.9628

■ 8.4029, 14.4251,
1.1007

■ 109.6928,
143.4870, 59.9619

■ 4.4078, 8.4169,
0.0000

■ 139.0219,
178.9664, 80.9405

■ 1.9353, 4.3629,
0.0000

■ 173.1619,
219.8594, 106.3172

■ 0.5972, 1.8785,
0.0000

212.4781,

■ 0.0000, 0.5354,

266.5506, 136.5106

0.0000

257.3359,
319.4242, 171.9391

■ 0.0000, 0.0000,
0.0000

■ 33.1777, 48.0183,
11.6575

■ 33.1777, 48.0183,
11.6575

■ 31.3944, 47.1496,
9.3573

■ 35.2646, 49.0234,
15.0211

■ 29.8849, 46.4001,
7.9884

■ 37.6745, 50.1679,
19.5538

■ 28.6769, 45.7908,
7.3271

■ 40.4285, 51.4622,
25.3518

■ 43.5448, 52.9137,
32.5006

■ 47.0399, 54.5292,
41.0781

■ 50.9294, 56.3153,
51.1565

■ 55.2278, 58.2779,
62.8029

■ 59.9488, 60.4227,
76.0804

■ 65.1054, 62.7550,
91.0487

Harmonies

Analogous

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



44.4709, 48.0183, 7.9194



33.1777, 48.0183, 11.6575



26.4698, 48.0183, 25.3085

Triad

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



33.1777, 48.0183, 11.6575



34.8565, 48.0183, 148.1744



76.2873, 48.0183, 48.9788

Complementary

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



33.1777, 48.0183, 11.6575



19.3110, 11.0593, 56.3779

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.



72.3615, 48.0183, 93.7363



33.1777, 48.0183, 11.6575



46.8293, 48.0183, 165.0462

Square

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



33.1777, 48.0183, 11.6575



27.2984, 48.0183, 102.6364



60.8872, 48.0183, 141.5136



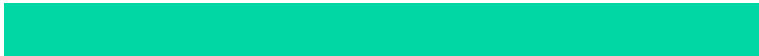
70.7699, 48.0183, 21.8710

Rectangle

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



33.1777, 48.0183, 11.6575



24.6674, 48.0183, 43.4427



60.8872, 48.0183, 141.5136



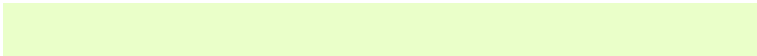
76.0288, 48.0183, 62.2497

Sweetspot

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



33.1788, 48.0204, 11.6585



80.1243, 93.1667, 69.2963



31.1010, 25.1797, 7.3593



16.7796, 19.7707, 13.9078



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.



33.1788, 48.0204, 11.6585



52.2598, 79.9851, 14.5392



24.4404, 43.5156, 11.2496



11.0961, 12.1965, 11.3321



18.1358, 28.8446, 4.6117



0.9390, 1.4072, 0.2221

Inverse Universe

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



19.3110, 11.0593, 56.3779



27.2469, 13.0020, 95.6813



32.5530, 17.8858, 56.9976



10.4530, 10.4918, 13.3917



8.8430, 3.7930, 35.0104



0.5002, 0.2216, 1.6616

Previews

White Background



This preview shows how the XYZ color 33.1777, 48.0183, 11.6575 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 33.1777, 48.0183, 11.6575 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 33.1777, 48.0183, 11.6575

Background



This preview shows how black text looks on a background with the XYZ color 33.1777, 48.0183, 11.6575.



This preview shows how white text looks on a background with the XYZ color 33.1777, 48.0183,

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

33.1777, 48.0183, 11.6575

Protanopia

43.2837, 47.6786, 10.5360

Deuteranopia

48.5233, 47.3598, 12.2141



Tritanopia

43.6630, 47.9596, 63.4558

Trichromacy



Original Color

33.1777, 48.0183, 11.6575

Protanomaly

38.6557, 47.1797, 10.8106

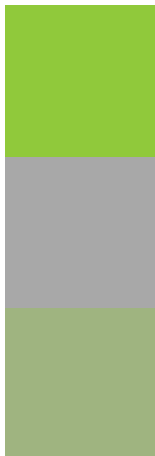
Deuteranomaly

41.3833, 46.6684, 11.8278

Tritanomaly

38.1734, 47.3429, 36.4043

Monochromacy



Original Color

33.1777, 48.0183, 11.6575

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

34.5156, 41.5720, 26.6271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1777, 48.0183, 11.6575 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(144, 201, 59)` looks like.

```
.text, #text, p{  
    color:rgb(144, 201, 59)  
}
```

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(144, 201, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 201, 59) }
```

Border

The CSS property to change the border of an element to XYZ 33.1777, 48.0183, 11.6575 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(144, 201, 59) }
```


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

```
.border{ border-color:rgb(144, 201, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 201, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 201, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 201, 59);  
box-shadow:4px 4px 4px 4px rgb(144, 201,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1777, 48.0183, 11.6575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 201, 59) }
```

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

```
.background{ background-color: rgb(144,  
201, 59) }
```

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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