

Converting Colors

YIQ(112.7920, -12.4190,
-33.7550)

Have a look what the booklet for
YIQ(112.7920, -12.4190, -33.7550)
contains.

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Color

**YIQ(112.7920, -12.4190,
-33.7550)**

Conversions

Conversions Part 1

Format	Color
Hex	508A45
RGB	80, 138, 69
RGB Percent	31%, 54%, 27%
CMY	0.6865, 0.4587, 0.7294
CMYK	0.42, 0.00, 0.50, 0.46
HSL	110°, 33%, 41%
HSV	110°, 50%, 54%
XYZ	13.4705, 20.3171, 8.8420
YIQ	112.7920, -12.4190, -33.7550

Conversions

Conversions Part 2

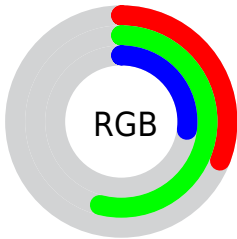
Format	Color
R_{YB}	69, 138, 127
Decimal	5278277
CIE _{Lab}	52.19, -33.25, 30.97
CIE _{LCh}	52, 45.439, 137.038
Yxy	20.3171, 0.3160, 0.4766
Android (android.graphics.Color)	4283468357 (0xFF508A45)
YUV	112.7920, -21.5895, -28.7586
Hunter-Lab	45.0744, -25.5354, 19.9215

Details

The YIQ color **112.7920, -12.4190, -33.7550** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **94.2080, 12.4190, 33.7550**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.0370, -11.7310, -35.2110**, and **61.6500, -14.8950, -32.9350** is the 20% darker color. If you saturate the color by 10%, you get **107.6080, -15.0770, -40.6530**, and if you desaturate by 10%, it is **117.9760, -9.7610, -26.8570**.

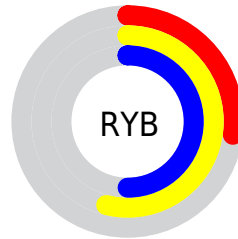
Distribution



Red (31%)

Green (54%)

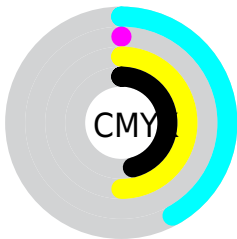
Blue (27%)



Red (27%)

Yellow (54%)

Blue (50%)

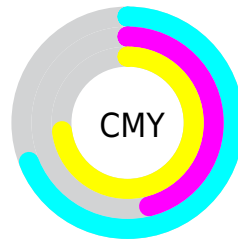


Cyan (42%)

Magenta (0%)

Yellow (50%)

Black (46%)



Cyan (69%)

Magenta (46%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.7920, -12.4190, -33.7550 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 YIQ color 112.7920, -12.4190, -33.7550 by changing the saturation by 10% instead.

■ 112.7920,
-12.4190, -33.7550

■ 112.7920,
-12.4190, -33.7550

■ 255.0000, -0.0000,
-0.0000

■ 87.0200, -13.0610,
-33.1330

■ 165.7380,
-12.3270, -35.4230

■ 61.6500, -14.8950,
-32.9350

■ 193.5100,
-11.6850, -36.0450

■ 36.9810, -17.3250,
-32.9490

■ 221.6840,
-12.2350, -37.0910

■ 24.0670, -11.2750,
-21.4430

■ 236.9550, -5.2680,
-25.6840

■ 8.2180, -3.8500,
-7.3220

■ 248.8180, 3.0280,
-10.8280

■ 0.0000, 0.0000,
0.0000

■ 112.7920,
-12.4190, -33.7550

■ 112.7920,
-12.4190, -33.7550

■ 107.6080,
-15.0770, -40.6530

■ 117.9760, -9.7610,
-26.8570

■ 102.7230,
-17.1390, -47.3390

■ 122.8610, -7.6990,
-20.1710

■ 97.6530, -20.1180,
-53.9260

■ 127.9310, -4.7200,
-13.5840

■ 92.7680, -22.1800,
-60.6120

■ 132.8160, -2.6580,
-6.8980

■ 87.5840, -24.8380,
-67.5100

■ 138.0000, -0.0000,
-0.0000

■ 143.1840, 2.6580,
6.8980

■ 148.0690, 4.7200,
13.5840

■ 153.1390, 7.6990,

20.1710

■ 158.0240, 9.7610,
26.8570

Harmonies

Analogous

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



118.2280, 24.5800, -26.9720



112.7920, -12.4190, -33.7550



96.0250, -73.3510, -41.8230

Triad

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



112.7920, -12.4190, -33.7550



101.4580, -101.0500, -7.8820



124.1760, 59.0030, 26.5150

Complementary

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



112.7920, -12.4190, -33.7550



94.2080, 12.4190, 33.7550

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.



126.2190, 40.2490, 36.0010



112.7920, -12.4190, -33.7550



122.7160, -39.3420, 19.1700

Square

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



112.7920, -12.4190, -33.7550



103.4010, -96.8760, -17.4520



128.2720, 6.3670, 33.3030



123.3540, 60.6570, 7.5450

Rectangle

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



112.7920, -12.4190, -33.7550



99.6900, -82.2930, -33.9490



128.2720, 6.3670, 33.3030



124.7720, 54.5090, 30.8690

Sweetspot

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



112.7920, -12.4190, -33.7550



169.0450, -5.0410, -13.2730



123.6770, 25.1740, -15.7060



83.2890, -2.6120, -7.7320



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



112.7920, -12.4190, -33.7550



139.4790, -19.5680, -52.8800



112.1250, -26.3580, -28.9340



66.4080, -1.3290, -3.4490



84.3500, -24.0590, -65.1070



3.2340, -0.7790, -2.4030

Inverse Universe

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



94.2080, 12.4190, 33.7550



110.5210, 19.5680, 52.8800



94.8750, 26.3580, 28.9340



64.5920, 1.3290, 3.4490



48.6500, 24.0590, 65.1070



1.7660, 0.7790, 2.4030

Previews

White Background



This preview shows how the YIQ color 112.7920, -12.4190, -33.7550 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 112.7920, -12.4190, -33.7550 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 × Fail

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

YIQ 112.7920, -12.4190, -33.7550 Background



This preview shows how black text looks on a background with the YIQ color 112.7920, -12.4190, -33.7550.



This preview shows how white text looks on a background with the YIQ color 112.7920, -12.4190, -33.7550.

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

112.7920, -12.4190, -33.7550

Protanopia

121.0470, 27.0080, -15.9040

Deuteranopia

122.5520, 33.1960, -6.9000



Tritanopia

120.1910, -25.5830, -4.4230

Trichromacy



Original Color

112.7920, -12.4190, -33.7550

Protanomaly

117.9310, 12.4750, -22.3490

Deuteranomaly

118.9580, 17.0130, -16.4830

Tritanomaly

117.4930, -21.0420, -15.1380

Monochromacy



Original Color

112.7920, -12.4190, -33.7550

Achromatopsia

113.0000, -0.0000, 0.0000

Achromatomaly

112.8710, -4.4910, -12.2270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.7920, -12.4190, -33.7550 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(80, 138, 69)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 69)  
}
```

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(80, 138, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 69) }
```

Border

The CSS property to change the border of an element to YIQ 112.7920, -12.4190, -33.7550 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(80, 138, 69) }
```


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

```
.border{ border-color:rgb(80, 138, 69) }
```

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

Here you see how a box with a 4 pixel rgb(80, 138, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 69);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
69) }
```

Background

The CSS property to change the background color of an element to YIQ 112.7920, -12.4190, -33.7550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 69) }
```

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

```
.background{ background-color: rgb(80, 138,  
69) }
```

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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