

# Converting Colors

YIQ(100.2200, 19.0310,  
-20.0170)

Have a look what the booklet for  
YIQ(100.2200, 19.0310, -20.0170)  
contains.

<b>YIQ(100.2200, 19.0310, -20.0170)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(100.2200, 19.0310,  
-20.0170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6A6C2D
RGB	106, 108, 45
RGB Percent	42%, 42%, 18%
CMY	0.5844, 0.5765, 0.8234
CMYK	0.02, 0.00, 0.58, 0.58
HSL	62°, 41%, 30%
HSV	62°, 58%, 42%
XYZ	11.7794, 13.9785, 4.5631
YIQ	100.2200, 19.0310, -20.0170

# Conversions

## Conversions Part 2

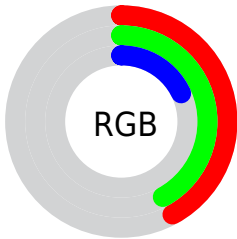
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 108, 47
Decimal	6974509
CIELab	44.20, -10.21, 34.33
CIELCh	44, 35.812, 106.557
Yxy	13.9785, 0.3885, 0.4610
Android (android.graphics.Color)	4285164589 (0xFF6A6C2D)
YUV	100.2200, -27.2235, 5.0691
Hunter-Lab	37.3878, -9.1902, 18.9352

# Details

The YIQ color **100.2200, 19.0310, -20.0170** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **52.7800, -19.0310, 20.0170**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.4760, 21.1860, -20.5260**, and **52.8500, 17.1970, -19.8190** is the 20% darker color. If you saturate the color by 10%, you get **98.9660, 22.5620, -23.4380**, and if you desaturate by 10%, it is **101.4740, 15.5000, -16.5960**.

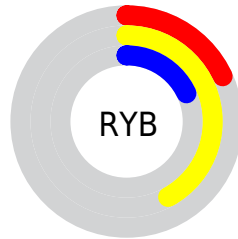
# Distribution



Red (42%)

Green (42%)

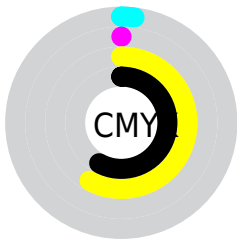
Blue (18%)



Red (18%)

Yellow (42%)

Blue (18%)

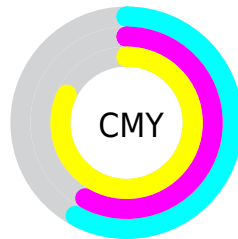


Cyan (2%)

Magenta (0%)

Yellow (58%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 100.2200, 19.0310, -20.0170 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 100.2200, 19.0310, -20.0170 by changing the saturation by 10% instead.



100.2200, 19.0310,  
-20.0170

100.2200, 19.0310,  
-20.0170

255.0000, -0.0000,  
-0.0000

75.9210, 18.4350,  
-20.2290

151.4760, 21.1860,  
-20.5260

52.8500, 17.1970,  
-19.8190

178.3620, 21.5070,  
-20.8370

32.7600, 8.9430,  
-13.4010

206.4330, 22.7450,  
-21.2470

11.7400, -5.5000,  
-10.4600

234.3190, 23.0660,  
-21.5580

0.0000, 0.0000,  
0.0000

248.6160, 17.9760,  
-17.4160

251.8080, 8.9880,

-8.7080

■ 100.2200, 19.0310,  
-20.0170

■ 100.2200, 19.0310,  
-20.0170

■ 98.9660, 22.5620,  
-23.4380

■ 101.4740, 15.5000,  
-16.5960

■ 97.4130, 25.4970,  
-27.0710

■ 103.0270, 12.5650,  
-12.9630

■ 96.2730, 28.7070,  
-30.1810

■ 104.1670, 9.3550,  
-9.8530

■ 95.0190, 32.2380,  
-33.6020

■ 105.4210, 5.8240,  
-6.4320

■ 94.7910, 32.8800,  
-34.2240

■ 106.9740, 2.8890,  
-2.7990

■ 108.2280, -0.6420,  
0.6220

■ 109.4820, -4.1730,  
4.0430

■ 110.9210, -6.7870,  
7.3650

■ 112.1750,  
-10.3180, 10.7860

# Harmonies

## Analogous

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



102.5370, 37.5520, -8.7520



100.2200, 19.0310, -20.0170



96.1010, -8.6150, -25.5990

# Triad

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



100.2200, 19.0310, -20.0170



85.4370, -79.3620, -15.4740



106.8600, 30.7140, 27.0820

# Complementary

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



100.2200, 19.0310, -20.0170



52.7800, -19.0310, 20.0170

# 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.



107.7460, 4.6720, 25.4720



100.2200, 19.0310, -20.0170



84.2120, -82.8020, -8.1940

# Square

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



100.2200, 19.0310, -20.0170



84.1200, -71.5200, -25.4400



103.4580, -29.9880, 14.8440



105.2450, 45.3870, 19.9710



# Rectangle

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



100.2200, 19.0310, -20.0170



90.9440, -33.0980, -27.9300



103.4580, -29.9880, 14.8440



107.0810, 22.7820, 27.6620

# Sweetspot

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



100.2200, 19.0310, -20.0170



136.9650, 7.1080, -7.6760



64.4240, 37.2730, 12.8330



69.4040, 4.4940, -4.3540



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



100.2200, 19.0310, -20.0170



127.9310, 29.6700, -31.1140



90.9510, 0.5550, -26.5890



53.0170, 1.3300, -2.0780



102.7650, 35.7690, -37.0230



214.6780, 73.8770, -77.8910



# Inverse Universe

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



52.7800, -19.0310, 20.0170



54.0690, -29.6700, 31.1140



62.0490, -0.5550, 26.5890



48.6840, -1.9260, 1.8660



14.5340, -35.1730, 37.2350



30.3220, -73.8770, 77.8910



# Previews

## White Background



This preview shows how the YIQ color 100.2200, 19.0310, -20.0170 looks on a white 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



# Black Background



This preview shows how the YIQ color 100.2200, 19.0310, -20.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

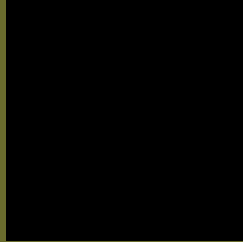
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 100.2200, 19.0310, -20.0170

## Background



This preview shows how black text looks on a background with the YIQ color 100.2200, 19.0310, -20.0170.



This preview shows how white text looks on a background with the YIQ color 100.2200, 19.0310,

-20.0170.

# 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

100.2200, 19.0310, -20.0170

### Protanopia

101.3350, 26.1370, -16.6390

### Deuteranopia

102.0420, 34.5720, -9.8120



## Tritanopia

105.2010, 3.9880, 4.8200

# Trichromacy



## Original Color

100.2200, 19.0310, -20.0170

## Protanomaly

100.7260, 23.4780, -18.0100

## Deuteranomaly

101.2970, 29.3000, -13.3880

## Tritanomaly

103.7420, 9.3540, -4.3260

# Monochromacy



## Original Color

100.2200, 19.0310, -20.0170

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

100.0790, 6.7870, -7.3650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 100.2200, 19.0310, -20.0170 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(106, 108, 45)` looks like.

```
.text, #text, p{  
    color:rgb(106, 108, 45)  
}
```

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(106, 108, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 108, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 100.2200, 19.0310, -20.0170 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(106, 108, 45) }
```



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

```
.border{ border-color:rgb(106, 108, 45) }
```

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

Here you see how a box with a 4 pixel rgb(106, 108, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 108, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 108, 45);  
box-shadow:4px 4px 4px 4px rgb(106, 108,  
45) }
```

# Background

The CSS property to change the background color of an element to YIQ 100.2200, 19.0310, -20.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 108, 45) }
```

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

```
.background{ background-color: rgb(106,  
108, 45) }
```

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