

Converting Colors

YIQ(90.0990, 21.2300, -10.3060)

Have a look what the booklet for
YIQ(90.0990, 21.2300, -10.3060)
contains.

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Color

**YIQ(90.0990, 21.2300,
-10.3060)**

Conversions

Conversions Part 1

Format	Color
Hex	685B31
RGB	104, 91, 49
RGB Percent	41%, 36%, 19%
CMY	0.5922, 0.6431, 0.8077
CMYK	0.00, 0.13, 0.53, 0.59
HSL	46°, 36%, 30%
HSV	46°, 53%, 41%
XYZ	10.0047, 10.6463, 4.4367
YIQ	90.0990, 21.2300, -10.3060

Conversions

Conversions Part 2

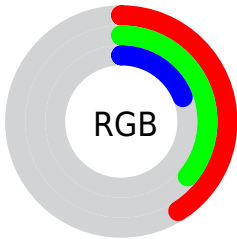
Format	Color
R_{YB}	66, 104, 49
Decimal	6839089
CIE Lab	38.98, -0.90, 25.97
CIE LCh	39, 25.983, 91.976
Yxy	10.6463, 0.3988, 0.4244
Android (android.graphics.Color)	4285029169 (0xFF685B31)
YUV	90.0990, -20.2618, 12.1912
Hunter-Lab	32.6287, -2.3683, 14.7782

Details

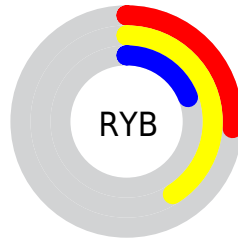
The YIQ color **90.0990, 21.2300, -10.3060** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **62.9010, -21.2300, 10.3060**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.6540, 23.9810, -10.6030**, and **43.7890, 19.1670, -11.4650** is the 20% darker color. If you saturate the color by 10%, you get **87.7850, 24.9900, -12.3700**, and if you desaturate by 10%, it is **92.4130, 17.4700, -8.2420**.

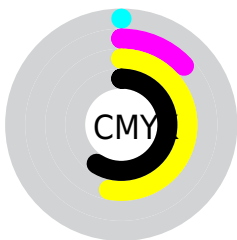
Distribution



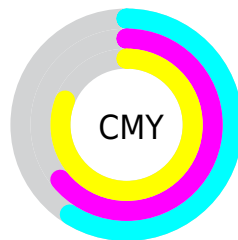
- Red (41%)
- Green (36%)
- Blue (19%)



- Red (26%)
- Yellow (41%)
- Blue (19%)



- Cyan (0%)
- Magenta (13%)
- Yellow (53%)
- Black (59%)



- Cyan (59%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 90.0990, 21.2300, -10.3060 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 90.0990, 21.2300, -10.3060 by changing the saturation by 10% instead.

■ 90.0990, 21.2300,
-10.3060

■ 90.0990, 21.2300,
-10.3060

■ 255.0000, -0.0000,
-0.0000

■ 66.6150, 19.7170,
-10.4190

■ 140.6540, 23.9810,
-10.6030

■ 43.7890, 19.1670,
-11.4650

■ 166.8390, 24.8980,
-10.7020

■ 24.2430, 12.1970,
-6.2910

■ 194.0240, 25.8150,
-10.8010

■ 0.0000, 0.0000,
0.0000

■ 222.2090, 26.7320,
-10.9000

■ 246.6100, 18.1130,
-14.3910

■ 252.1500, 8.0250,

-7.7750

■ 90.0990, 21.2300,
-10.3060

■ 90.0990, 21.2300,
-10.3060

■ 87.7850, 24.9900,
-12.3700

■ 92.4130, 17.4700,
-8.2420

■ 84.7700, 29.3460,
-14.2220

■ 95.4280, 13.1140,
-6.3900

■ 82.4560, 33.1060,
-16.2860

■ 97.7420, 9.3540,
-4.3260

■ 79.4410, 37.4620,
-18.1380

■ 100.7570, 4.9980,
-2.4740

■ 77.4690, 40.2590,
-19.2690

■ 103.0710, 1.2380,
-0.4100

■ 105.9720, -2.7970,
1.1310

■ 108.4000, -6.8780,
3.5060

■ 111.3010,
-10.9130, 5.0470

■ 113.7290,
-14.9940, 7.4220

Harmonies

Analogous

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



91.7570, 31.3610, -1.1750



90.0990, 21.2300, -10.3060



87.7270, 4.5420, -16.2420

Triad

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



90.0990, 21.2300, -10.3060



72.7560, -64.3230, -18.2030



94.7220, 13.2470, 18.7430

Complementary

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



90.0990, 21.2300, -10.3060



62.9010, -21.2300, 10.3060

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.



93.7780, -7.5220, 15.1820



90.0990, 21.2300, -10.3060



77.9020, -58.5020, -8.0540

Square

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



90.0990, 21.2300, -10.3060



77.9400, -44.4700, -20.0700



88.4050, -31.6370, 6.1790



93.5680, 28.2400, 16.8480

Rectangle

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



90.0990, 21.2300, -10.3060



85.5450, -9.6250, -18.3050



88.4050, -31.6370, 6.1790



94.7860, 7.1950, 18.2910

Sweetspot

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



90.0990, 21.2300, -10.3060



129.6710, 8.1160, -3.9160



67.0410, 28.2860, 16.0140



65.7570, 4.9980, -2.4740



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



90.0990, 21.2300, -10.3060



113.5700, 32.7850, -15.9750



93.5440, 9.3110, -20.0730



49.8430, 1.8800, -1.0320



86.0410, 44.3400, -21.6440



180.9530, 93.3570, -45.4510

Inverse Universe

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



62.9010, -21.2300, 10.3060



71.4300, -32.7850, 15.9750



59.4560, -9.3110, 20.0730



47.1570, -1.8800, 1.0320



28.9590, -44.3400, 21.6440



61.0470, -93.3570, 45.4510

Previews

White Background



This preview shows how the YIQ color 90.0990, 21.2300, -10.3060 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 90.0990, 21.2300, -10.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

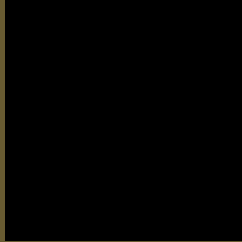
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 90.0990, 21.2300, -10.3060

Background



This preview shows how black text looks on a background with the YIQ color 90.0990, 21.2300, -10.3060.



This preview shows how white text looks on a background with the YIQ color 90.0990, 21.2300, -10.3060.

-10.3060.

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

90.0990, 21.2300, -10.3060

Protanopia

89.7890, 19.1670, -11.4650

Deuteranopia

90.8440, 26.5020, -6.7300



Tritanopia

93.3760, 10.8650, 6.8410

Trichromacy



Original Color

90.0990, 21.2300, -10.3060

Protanomaly

90.0880, 19.7630, -11.2530

Deuteranomaly

90.5340, 24.4390, -7.8890

Tritanomaly

92.4270, 14.8550, 0.6070

Monochromacy



Original Color

90.0990, 21.2300, -10.3060

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.7850, 7.7950, -3.6050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.0990, 21.2300, -10.3060 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(104, 91, 49)` looks like.

```
.text, #text, p{  
    color:rgb(104, 91, 49)  
}
```

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(104, 91, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 91, 49) }
```

Border

The CSS property to change the border of an element to YIQ 90.0990, 21.2300, -10.3060 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(104, 91, 49) }
```


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

```
.border{ border-color:rgb(104, 91, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 91, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 91, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 91, 49);  
box-shadow:4px 4px 4px 4px rgb(104, 91,  
49) }
```

Background

The CSS property to change the background color of an element to YIQ 90.0990, 21.2300, -10.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 91, 49) }
```

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

```
.background{ background-color: rgb(104, 91,  
49) }
```

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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