

# Converting Colors

YIQ(104.1780, 18.8490,  
-27.7350)

Have a look what the booklet for  
YIQ(104.1780, 18.8490, -27.7350)  
contains.

<b>YIQ(104.1780, 18.8490, -27.7350)</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(104.1780, 18.8490,  
-27.7350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	697524
RGB	105, 117, 36
RGB Percent	41%, 46%, 14%
CMY	0.5883, 0.5411, 0.8587
CMYK	0.10, 0.00, 0.69, 0.54
HSL	69°, 53%, 30%
HSV	69°, 69%, 46%
XYZ	12.5042, 15.8533, 4.0728
YIQ	104.1780, 18.8490, -27.7350

# Conversions

## Conversions Part 2

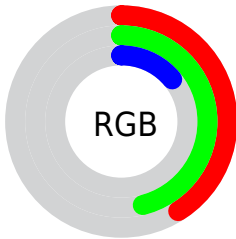
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 117, 48
Decimal	6911268
CIE <sub>Lab</sub>	46.78, -16.31, 41.36
CIE <sub>LCh</sub>	47, 44.458, 111.526
Yxy	15.8533, 0.3856, 0.4888
Android (android.graphics.Color)	4285101348 (0xFF697524)
YUV	104.1780, -33.6118, 0.7209
Hunter-Lab	39.8162, -13.6211, 21.8065

# Details

The YIQ color **104.1780, 18.8490, -27.7350** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **48.8220, -18.8490, 27.7350**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.2490, 20.0870, -28.1450**, and **56.9480, 13.8050, -24.4270** is the 20% darker color. If you saturate the color by 10%, you get **102.2120, 21.5090, -31.8910**, and if you desaturate by 10%, it is **106.1440, 16.1890, -23.5790**.

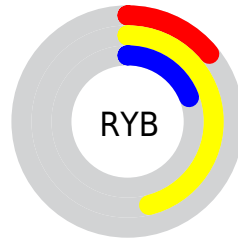
# Distribution



Red (41%)

Green (46%)

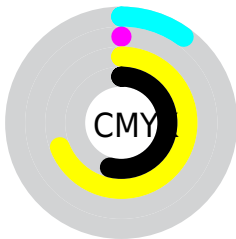
Blue (14%)



Red (14%)

Yellow (46%)

Blue (19%)

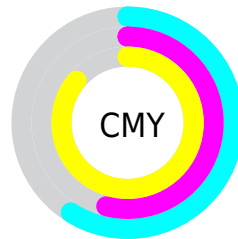


Cyan (10%)

Magenta (0%)

Yellow (69%)

Black (54%)



Cyan (59%)

Magenta (54%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 104.1780, 18.8490, -27.7350 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 104.1780, 18.8490, -27.7350 by changing the saturation by 10% instead.



104.1780, 18.8490,  
-27.7350

104.1780, 18.8490,  
-27.7350

255.0000, -0.0000,  
-0.0000

78.5370, 19.2160,  
-28.8800

156.2490, 20.0870,  
-28.1450

56.9480, 13.8050,  
-24.4270

183.3200, 21.3250,  
-28.5550

36.8580, 5.5510,  
-18.0090

211.0920, 21.9670,  
-29.1770

15.8490, -7.4250,  
-14.1210

239.8640, 22.6090,  
-29.7990

0.0000, 0.0000,  
0.0000

247.8180, 20.2230,  
-19.5930

251.0100, 11.2350,

-10.8850

254.3160, 1.9260,  
-1.8660

104.1780, 18.8490,  
-27.7350

104.1780, 18.8490,  
-27.7350

102.2120, 21.5090,  
-31.8910

106.1440, 16.1890,  
-23.5790

100.6590, 24.4440,  
-35.5240

107.6970, 13.2540,  
-19.9460

98.6930, 27.1040,  
-39.6800

109.6630, 10.5940,  
-15.7900

98.5790, 27.4250,  
-39.9910

111.6290, 7.9340,  
-11.6340

113.5950, 5.2740,  
-7.4780

■ 115.1480, 2.3390,  
-3.8450

■ 117.1140, -0.3210,  
0.3110

■ 119.0800, -2.9810,  
4.4670

■ 120.9320, -5.3200,  
8.3120

# Harmonies

## Analogous

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



107.2570, 43.9720, -14.9720



104.1780, 18.8490, -27.7350



98.0840, -19.1130, -33.5850

# Triad

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



104.1780, 18.8490, -27.7350



93.2280, -88.8990, -13.3390



111.8340, 42.7710, 34.3470

# Complementary

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



104.1780, 18.8490, -27.7350



48.8220, -18.8490, 27.7350

# 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.



114.4960, 11.5480, 33.0200



104.1780, 18.8490, -27.7350



90.3560, -91.8350, -4.1790

# Square

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



104.1780, 18.8490, -27.7350



91.3410, -79.4520, -24.8600



110.3750, -30.9520, 21.3040



109.6980, 57.3530, 23.3770



# Rectangle

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



104.1780, 18.8490, -27.7350



84.9400, -62.8060, -40.1980



110.3750, -30.9520, 21.3040



112.8700, 33.9220, 35.0260

# Sweetspot

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



104.1780, 18.8490, -27.7350



147.8570, 7.2920, -11.0120



66.6760, 45.2510, 11.4190



73.8230, 4.6320, -6.8560



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



104.1780, 18.8490, -27.7350



132.8410, 29.4430, -43.5250



92.5170, -4.3950, -36.0030



58.0170, 1.3300, -2.0780



102.7100, 28.4340, -41.7580



210.4370, 58.1980, -85.5940



# Inverse Universe

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



48.8220, -18.8490, 27.7350



46.1590, -29.4430, 43.5250



60.4830, 4.3950, 36.0030



53.9830, -1.3300, 2.0780



19.2900, -28.4340, 41.7580



39.5630, -58.1980, 85.5940



# Previews

## White Background



This preview shows how the YIQ color 104.1780, 18.8490, -27.7350 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 104.1780, 18.8490, -27.7350 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 104.1780, 18.8490, -27.7350

## Background



This preview shows how black text looks on a background with the YIQ color 104.1780, 18.8490, -27.7350.



This preview shows how white text looks on a background with the YIQ color 104.1780, 18.8490,



# 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

104.1780, 18.8490, -27.7350

### Protanopia

106.1090, 32.4650, -21.1910

### Deuteranopia

107.4570, 40.5330, -13.2190



## Tritanopia

111.2220, -0.5050, 3.6470

# Trichromacy



## Original Color

104.1780, 18.8490, -27.7350

## Protanomaly

105.3040, 27.4220, -23.4100

## Deuteranomaly

106.1030, 32.6020, -18.1660

## Tritanomaly

108.6660, 6.5120, -7.8880

# Monochromacy



## Original Color

104.1780, 18.8490, -27.7350

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

104.0850, 6.6500, -10.3900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 104.1780, 18.8490, -27.7350 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(105, 117, 36)` looks like.

```
.text, #text, p{  
    color:rgb(105, 117, 36)  
}
```

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(105, 117, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 117, 36) }
```

## Border

The CSS property to change the border of an element to YIQ 104.1780, 18.8490, -27.7350 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(105, 117, 36) }
```



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

```
.border{ border-color:rgb(105, 117, 36) }
```

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

Here you see how a box with a 4 pixel rgb(105, 117, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 117, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 117, 36);  
box-shadow:4px 4px 4px 4px rgb(105, 117,  
36) }
```

# Background

The CSS property to change the background color of an element to YIQ 104.1780, 18.8490, -27.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 117, 36) }
```

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

```
.background{ background-color: rgb(105,  
117, 36) }
```

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