

# Converting Colors

YIQ(47.6540, 60.6530, 29.6530)

Have a look what the booklet for  
YIQ(47.6540, 60.6530, 29.6530)  
contains.

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# Color

**YIQ(47.6540, 60.6530,  
29.6530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C0C1F
RGB	124, 12, 31
RGB Percent	49%, 5%, 12%
CMY	0.5134, 0.9531, 0.8782
CMYK	0.00, 0.90, 0.75, 0.51
HSL	350°, 82%, 27%
HSV	350°, 90%, 49%
XYZ	8.7014, 4.6514, 1.7395
YIQ	47.6540, 60.6530, 29.6530

# Conversions

## Conversions Part 2

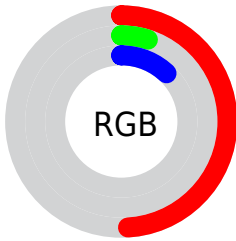
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 12, 31
Decimal	8129567
CIE <sub>Lab</sub>	25.72, 45.53, 21.56
CIE <sub>LCh</sub>	26, 50.375, 25.334
Yxy	4.6514, 0.5765, 0.3082
Android (android.graphics.Color)	4286319647 (0xFF7C0C1F)
YUV	47.6540, -8.2104, 66.9554
Hunter-Lab	21.5671, 34.2747, 10.3149

# Details

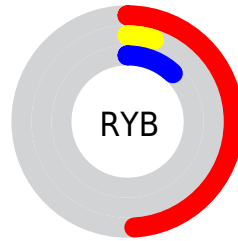
The YIQ color **47.6540, 60.6530, 29.6530** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **88.3460, -60.6530, -29.6530**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.9440, 65.4680, 24.9880**, and **20.0330, 39.9320, 14.2040** is the 20% darker color. If you saturate the color by 10%, you get **39.4700, 67.1630, 32.8190**, and if you desaturate by 10%, it is **55.8380, 54.1430, 26.4870**.

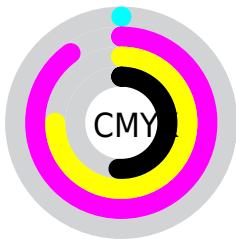
# Distribution



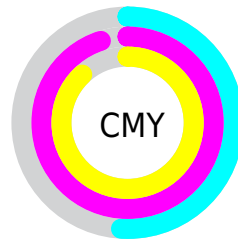
- Red (49%)
- Green (5%)
- Blue (12%)



- Red (49%)
- Yellow (5%)
- Blue (12%)



- Cyan (0%)
- Magenta (90%)
- Yellow (75%)
- Black (51%)



- Cyan (51%)
- Magenta (95%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.6540, 60.6530, 29.6530 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 47.6540, 60.6530, 29.6530 by changing the saturation by 10% instead.



■ 47.6540, 60.6530,  
29.6530

■ 47.6540, 60.6530,  
29.6530

255.0000, -0.0000,  
-0.0000

■ 29.6160, 54.6480,  
22.8400

■ 104.9440, 65.4680,  
24.9880

■ 20.0330, 39.9320,  
14.2040

■ 131.9120, 68.4940,  
25.2140

■ 12.0740, 23.5190,  
8.7910

■ 159.5810, 70.9240,  
25.2280


■ 0.0000, 0.0000,  
0.0000


■ 181.8680, 62.6260,  
21.4260


■ 201.3820, 46.2590,  
15.1790


■ 220.8960, 29.8920,


8.9320


 241.2250, 12.6080,  
2.7840


 47.6540, 60.6530,  
29.6530


 47.6540, 60.6530,  
29.6530


 39.4700, 67.1630,  
32.8190

 55.8380, 54.1430,  
26.4870

 64.7230, 47.0370,  
23.1090

 72.9070, 40.5270,  
19.9430

 81.6780, 33.7420,  
16.2540

 89.9760, 26.9110,  
13.3990

■ 98.1600, 20.4010,  
10.2330

■ 106.9310, 13.6160,  
6.5440

■ 115.1150, 7.1060,  
3.3780

■ 124.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



44.6430, 51.1590, 47.5350



47.6540, 60.6530, 29.6530



55.1850, 53.6430, 2.4990

# Triad

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



47.6540, 60.6530, 29.6530



44.6920, -23.8810, -35.2810



55.6480, -62.9980, 7.3540

# Complementary

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



47.6540, 60.6530, 29.6530



88.3460, -60.6530, -29.6530

# 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.



58.1610, -60.4290, -0.6610



47.6540, 60.6530, 29.6530



50.7680, -38.2340, -22.9540

# Square

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



47.6540, 60.6530, 29.6530



53.3710, 8.1200, -26.0240



55.8010, -51.0280, -11.3480



57.9940, -34.2530, 20.5550



# Rectangle

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



47.6540, 60.6530, 29.6530



57.7330, 39.9360, -7.9040



55.8010, -51.0280, -11.3480



57.1810, -63.1810, 5.1630

# Sweetspot

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



47.6540, 60.6530, 29.6530



131.0680, 23.6560, 11.8160



52.2760, 18.8800, 54.3360



63.6430, 14.4870, 7.2790



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



47.6540, 60.6530, 29.6530



51.2170, 87.2890, 42.5290



66.0330, 57.1270, 5.4390



56.9080, 3.2550, 1.5830



39.7690, 67.7590, 33.0310



80.2500, 136.3890, 66.7970



# Inverse Universe

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



47.6540, 60.6530, 29.6530



51.2170, 87.2890, 42.5290



69.9670, -57.1270, -5.4390



56.9080, 3.2550, 1.5830



39.7690, 67.7590, 33.0310

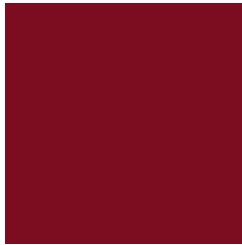


80.2500, 136.3890, 66.7970



# Previews

## White Background



This preview shows how the YIQ color 47.6540, 60.6530, 29.6530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

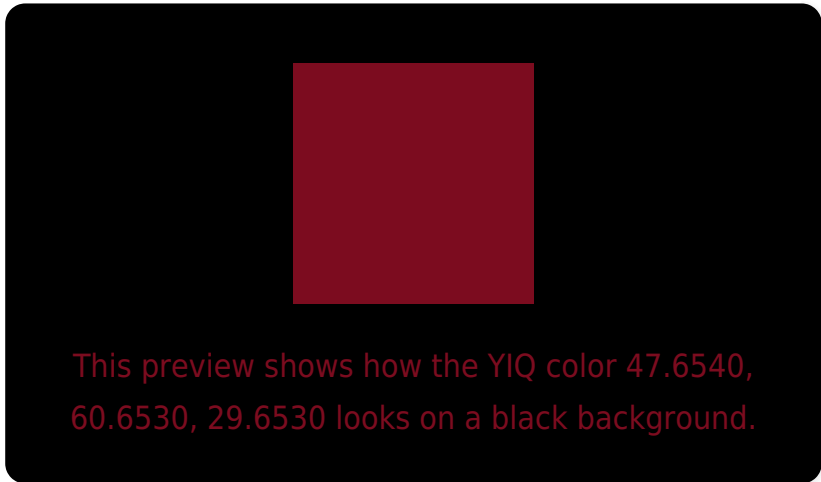
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

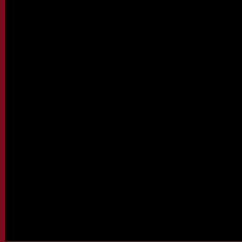
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 47.6540, 60.6530, 29.6530

## Background



This preview shows how black text looks on a background with the YIQ color 47.6540, 60.6530, 29.6530.



This preview shows how white text looks on a background with the YIQ color 47.6540, 60.6530,



# 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

47.6540, 60.6530, 29.6530

### Protanopia

62.5570, 8.4370, -4.2270

### Deuteranopia

61.5770, 22.8800, -7.1680



## Tritanopia

48.0640, 65.0100, 22.2740

# Trichromacy



## Original Color

47.6540, 60.6530, 29.6530

## Protanomaly

56.8140, 27.1870, 8.3950

## Deuteranomaly

56.7240, 36.1280, 6.0480

## Tritanomaly

48.1610, 63.3590, 24.6630

# Monochromacy



## Original Color

47.6540, 60.6530, 29.6530

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

48.0570, 22.1890, 10.8690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.6540, 60.6530, 29.6530 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(124, 12, 31)` looks like.

```
.text, #text, p{  
    color:rgb(124, 12, 31)  
}
```

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(124, 12, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 12, 31) }
```

## Border

The CSS property to change the border of an element to YIQ 47.6540, 60.6530, 29.6530 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(124, 12, 31) }
```



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

```
.border{ border-color:rgb(124, 12, 31) }
```

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

Here you see how a box with a 4 pixel rgb(124, 12, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 12, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 12, 31);  
box-shadow:4px 4px 4px 4px rgb(124, 12,  
31) }
```

# Background

The CSS property to change the background color of an element to YIQ 47.6540, 60.6530, 29.6530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 12, 31) }
```

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

```
.background{ background-color: rgb(124, 12,  
31) }
```

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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