

# Converting Colors

YIQ(84.9490, 12.0640, -31.4240)

Have a look what the booklet for  
YIQ(84.9490, 12.0640, -31.4240)  
contains.

<b>YIQ(84.9490, 12.0640, -31.4240)</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(84.9490, 12.0640,  
-31.4240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D6612
RGB	77, 102, 18
RGB Percent	30%, 40%, 7%
CMY	0.6982, 0.5999, 0.9293
CMYK	0.25, 0.00, 0.82, 0.60
HSL	78°, 70%, 24%
HSV	78°, 82%, 40%
XYZ	7.9201, 11.1251, 2.3034
YIQ	84.9490, 12.0640, -31.4240

# Conversions

## Conversions Part 2

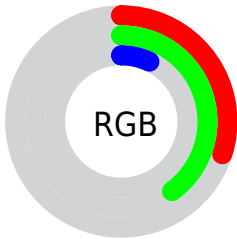
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 102, 43
Decimal	5072402
CIE <sub>Lab</sub>	39.79, -22.09, 40.88
CIE <sub>LCh</sub>	40, 46.461, 118.382
Yxy	11.1251, 0.3710, 0.5211
Android (android.graphics.Color)	4283262482 (0xFF4D6612)
YUV	84.9490, -33.0059, -6.9713
Hunter-Lab	33.3543, -15.9849, 19.2535

# Details

The YIQ color **84.9490, 12.0640, -31.4240** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **35.0510, -12.0640, 31.4240**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **136.2480, 12.6600, -31.2120**, and **40.6570, 1.5630, -22.8290** is the 20% darker color. If you saturate the color by 10%, you get **82.9120, 13.4860, -35.1700**, and if you desaturate by 10%, it is **86.9860, 10.6420, -27.6780**.

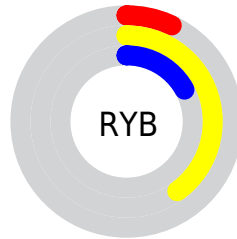
# Distribution



 Red (30%)

 Green (40%)

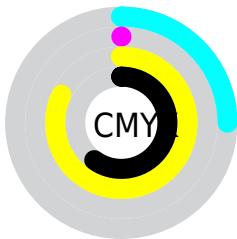
 Blue (7%)



 Red (7%)

 Yellow (40%)

 Blue (17%)

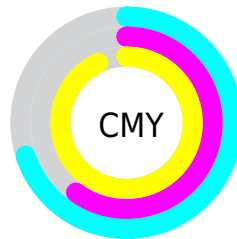


 Cyan (25%)


 Magenta (0%)

 Yellow (82%)

 Black (60%)



 Cyan (70%)

 Magenta (60%)

 Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.9490, 12.0640, -31.4240 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 84.9490, 12.0640, -31.4240 by changing the saturation by 10% instead.



■ 84.9490, 12.0640,  
-31.4240

■ 84.9490, 12.0640,  
-31.4240

■ 255.0000, -0.0000,  
-0.0000

■ 61.3340, 9.5420,  
-29.7700

■ 136.2480, 12.6600,  
-31.2120

■ 40.6570, 1.5630,  
-22.8290

■ 163.0200, 13.3020,  
-31.8340

■ 19.9580, -9.3500,  
-17.7820

■ 190.4930, 13.3480,  
-32.6680

■ 0.0000, 0.0000,  
0.0000

■ 218.2650, 13.9900,  
-33.2900

■ 241.1670, 17.3820,  
-28.6820

■ 248.8440, 17.3340,

-16.7940

■ 252.0360, 8.3460,  
-8.0860

■ 84.9490, 12.0640,  
-31.4240

■ 84.9490, 12.0640,  
-31.4240

■ 82.9120, 13.4860,  
-35.1700

■ 86.9860, 10.6420,  
-27.6780

■ 81.4020, 14.8620,  
-38.0820

■ 89.0230, 9.2200,  
-23.9320

■ 91.1740, 7.4770,  
-19.8750

■ 93.2110, 6.0550,  
-16.1290

■ 95.2480, 4.6330,  
-12.3830

■ 97.2850, 3.2110,  
-8.6370

■ 99.3220, 1.7890,  
-4.8910

■ 101.4730, 0.0460,  
-0.8340

■ 103.5100, -1.3760,  
2.9120

# Harmonies

## Analogous

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



87.8450, 41.9560, -22.4920



84.9490, 12.0640, -31.4240



72.9120, -39.2400, -37.7680

# Triad

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



84.9490, 12.0640, -31.4240



80.8210, -80.1430, -6.8230



91.4710, 48.2270, 34.5870

# Complementary

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



84.9490, 12.0640, -31.4240



35.0510, -12.0640, 31.4240

# 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.



95.5680, 20.2130, 35.6770



84.9490, 12.0640, -31.4240



77.4930, -81.7950, 1.0930

# Square

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



84.9490, 12.0640, -31.4240



79.8630, -71.9340, -17.9340



94.8600, -22.0120, 24.4840



90.4870, 59.3250, 20.6770



# Rectangle

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



84.9490, 12.0640, -31.4240



73.9350, -55.2420, -34.1060



94.8600, -22.0120, 24.4840



92.9310, 41.1200, 36.7360

# Sweetspot

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



84.9490, 12.0640, -31.4240



126.1340, 4.9540, -12.6940



57.2040, 43.4640, 5.2560



61.9260, 2.8440, -7.4920



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



84.9490, 12.0640, -31.4240



105.9920, 18.5320, -49.5320



72.6900, -12.3720, -40.1160



49.8320, 0.4130, -1.9790



91.7240, 16.6510, -42.9730



192.8840, 34.7700, -90.5260



# Inverse Universe

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



35.0510, -12.0640, 31.4240



27.7090, -19.1280, 49.3200



47.3100, 12.3720, 40.1160



46.8690, -1.0090, 1.7670



23.2760, -16.6510, 42.9730



49.1160, -34.7700, 90.5260



# Previews

## White Background



This preview shows how the YIQ color 84.9490, 12.0640, -31.4240 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 84.9490, 12.0640, -31.4240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

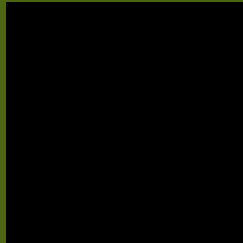
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 84.9490, 12.0640, -31.4240

## Background



This preview shows how black text looks on a background with the YIQ color 84.9490, 12.0640, -31.4240.



This preview shows how white text looks on a background with the YIQ color 84.9490, 12.0640, -31.4240.

-31.4240.

# 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

84.9490, 12.0640, -31.4240

### Protanopia

88.3970, 31.5940, -21.9260

### Deuteranopia

90.3750, 37.8280, -13.7560



## Tritanopia

93.2210, -7.9320, 0.5800

# Trichromacy



## Original Color

84.9490, 12.0640, -31.4240

## Protanomaly

87.2820, 24.4880, -25.3040

## Deuteranomaly

88.4830, 28.4760, -20.4840

## Tritanomaly

90.5510, -0.5940, -11.2660

# Monochromacy



## Original Color

84.9490, 12.0640, -31.4240

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

84.8890, 4.2660, -11.2380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.9490, 12.0640, -31.4240 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(77, 102, 18)` looks like.

```
.text, #text, p{  
    color:rgb(77, 102, 18)  
}
```

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(77, 102, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 102, 18) }
```

## Border

The CSS property to change the border of an element to YIQ 84.9490, 12.0640, -31.4240 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(77, 102, 18) }
```



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

```
.border{ border-color:rgb(77, 102, 18) }
```

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

Here you see how a box with a 4 pixel rgb(77, 102, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 102, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 102, 18);  
box-shadow:4px 4px 4px 4px rgb(77, 102,  
18) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.9490, 12.0640, -31.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 102, 18) }
```

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

```
.background{ background-color: rgb(77, 102,  
18) }
```

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