

# Converting Colors

YIQ(89.3600, 60.5200, 4.5200)

Have a look what the booklet for  
YIQ(89.3600, 60.5200, 4.5200)  
contains.

<b>YIQ(89.3600, 60.5200, 4.5200)</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(89.3600, 60.5200,  
4.5200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96461E
RGB	150, 70, 30
RGB Percent	59%, 27%, 12%
CMY	0.4116, 0.7256, 0.8821
CMYK	0.00, 0.53, 0.80, 0.41
HSL	20°, 67%, 35%
HSV	20°, 80%, 59%
XYZ	15.0087, 10.9582, 2.5570
YIQ	89.3600, 60.5200, 4.5200

# Conversions

## Conversions Part 2

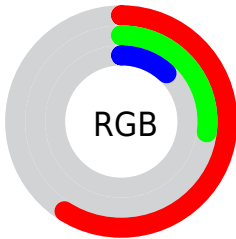
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 90, 30
Decimal	9848350
CIE Lab	39.51, 30.99, 38.43
CIE LCh	40, 49.369, 51.123
Yxy	10.9582, 0.5262, 0.3842
Android (android.graphics.Color)	4288038430 (0xFF96461E)
YUV	89.3600, -29.2645, 53.1813
Hunter-Lab	33.1032, 22.9998, 18.5924

# Details

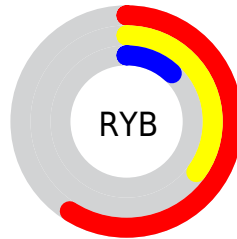
The YIQ color **89.3600, 60.5200, 4.5200** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **90.6400, -60.5200, -4.5200**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.7090, 66.8470, 5.4950**, and **40.7210, 49.3780, 8.2100** is the 20% darker color. If you saturate the color by 10%, you get **81.7800, 68.0850, 5.0850**, and if you desaturate by 10%, it is **96.9400, 52.9550, 3.9550**.

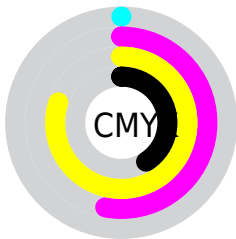
# Distribution



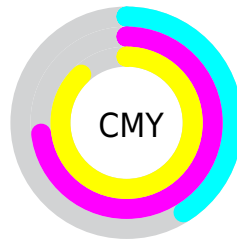
- Red (59%)
- Green (27%)
- Blue (12%)



- Red (59%)
- Yellow (35%)
- Blue (12%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (41%)



- Cyan (41%)
- Magenta (73%)
- Yellow (88%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.3600, 60.5200, 4.5200 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 89.3600, 60.5200, 4.5200 by changing the saturation by 10% instead.



■ 89.3600, 60.5200,  
4.5200

■ 89.3600, 60.5200,  
4.5200

■ 255.0000, -0.0000,  
-0.0000

■ 63.8650, 57.5400,  
3.4600

■ 141.7090, 66.8470,  
5.4950

■ 40.7210, 49.3780,  
8.2100

■ 169.0900, 70.1480,  
6.2440

■ 19.4350, 38.7400,  
13.7800

■ 192.2740, 63.6380,  
3.0780

■ 12.6720, 24.7110,  
9.2150

■ 211.6740, 47.5920,  
-3.4800

■ 0.0000, 0.0000,  
0.0000

■ 231.1880, 31.2250,  
-9.7270

■ 249.6420, 15.0870,

-14.6170

■ 252.9480, 5.7780,  
-5.5980

■ 89.3600, 60.5200,  
4.5200

■ 89.3600, 60.5200,  
4.5200

■ 81.7800, 68.0850,  
5.0850

■ 96.9400, 52.9550,  
3.9550

■ 74.2000, 75.6500,  
5.6500

■ 104.5200, 45.3900,  
3.3900

■ 112.1000, 37.8250,  
2.8250

■ 119.6800, 30.2600,  
2.2600

■ 127.2600, 22.6950,  
1.6950

■ 134.8400, 15.1300,  
1.1300

■ 142.4200, 7.5650,  
0.5650

■ 150.0000, -0.0000,  
-0.0000

■ 157.5800, -7.5650,  
-0.5650

# Harmonies

## Analogous

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



88.3720, 61.3870, 27.3630



89.3600, 60.5200, 4.5200



87.5470, 48.7870, -19.6370

# Triad

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



89.3600, 60.5200, 4.5200



74.1630, -55.8840, -33.4840



90.9550, -38.5170, 20.7390

# Complementary

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



89.3600, 60.5200, 4.5200



90.6400, -60.5200, -4.5200

# 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.



79.0090, -83.3080, 0.9800



89.3600, 60.5200, 4.5200



79.5380, -69.6410, -20.9450

# Square

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



89.3600, 60.5200, 4.5200



76.2250, -24.0640, -37.4720



81.6530, -79.7300, -8.8020



95.4900, 11.6850, 36.0450



# Rectangle

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



89.3600, 60.5200, 4.5200



85.6540, 32.0080, -29.4320



81.6530, -79.7300, -8.8020



80.4780, -68.2710, 9.3050

# Sweetspot

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



89.3600, 60.5200, 4.5200



170.4450, 23.6120, 1.5960



75.2280, 45.1980, 50.9420



82.6550, 14.2130, 1.2290



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



89.3600, 60.5200, 4.5200



100.0080, 93.8060, 7.0060



123.4060, 44.5700, -25.8140



70.2670, 3.6220, 0.4380



68.2640, 69.5980, 5.1980



4.7510, 5.1350, 0.5510



# Inverse Universe

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



90.6400, -60.5200, -4.5200



101.9920, -93.8060, -7.0060



56.5940, -44.5700, 25.8140



70.1460, -3.3470, 0.0850



69.7360, -69.5980, -5.1980



5.2490, -5.1350, -0.5510



# Previews

## White Background



This preview shows how the YIQ color 89.3600, 60.5200, 4.5200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

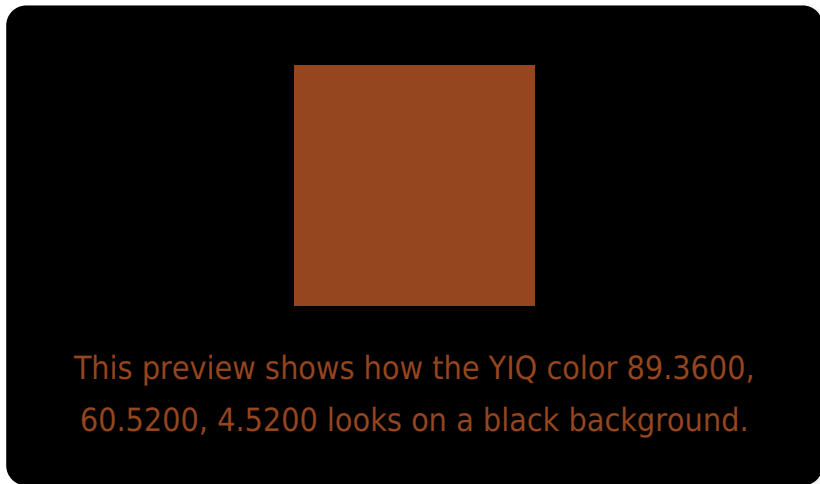
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 89.3600, 60.5200, 4.5200**

## **Background**



This preview shows how black text looks on a background with the YIQ color 89.3600, 60.5200, 4.5200.



This preview shows how white text looks on a background with the YIQ color 89.3600, 60.5200,

4.5200.

# 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

89.3600, 60.5200, 4.5200

### Protanopia

90.7910, 24.8530, -15.3950

### Deuteranopia

90.2610, 38.1490, -14.0670



## Tritanopia

92.1700, 49.9720, 19.4760

# Trichromacy



## Original Color

89.3600, 60.5200, 4.5200

## Protanomaly

89.9500, 37.8270, -8.2290

## Deuteranomaly

89.9680, 46.5840, -7.2400

## Tritanomaly

90.7480, 53.9160, 14.0760

# Monochromacy



## Original Color

89.3600, 60.5200, 4.5200

## Achromatopsia

89.0000, -0.0000, -0.0000

## Achromatomaly

89.0750, 21.7780, 1.7940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.3600, 60.5200, 4.5200 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(150, 70, 30)` looks like.

```
.text, #text, p{  
    color:rgb(150, 70, 30)  
}
```

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(150, 70, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 70, 30) }
```

## Border

The CSS property to change the border of an element to YIQ 89.3600, 60.5200, 4.5200 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(150, 70, 30) }
```



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

```
.border{ border-color:rgb(150, 70, 30) }
```

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

Here you see how a box with a 4 pixel rgb(150, 70, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 70, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 70, 30);  
box-shadow:4px 4px 4px 4px rgb(150, 70,  
30) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.3600, 60.5200, 4.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 70, 30) }
```

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

```
.background{ background-color: rgb(150, 70,  
30) }
```

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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