

# Converting Colors

YIQ(103.1260, 87.6620, 8.2220)

Have a look what the booklet for  
YIQ(103.1260, 87.6620, 8.2220)  
contains.

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# Color

**YIQ(103.1260, 87.6620,  
8.2220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C04A14
RGB	192, 74, 20
RGB Percent	75%, 29%, 8%
CMY	0.2468, 0.7100, 0.9212
CMYK	0.00, 0.61, 0.90, 0.25
HSL	19°, 81%, 42%
HSV	19°, 90%, 75%
XYZ	24.3268, 16.1565, 2.5028
YIQ	103.1260, 87.6620, 8.2220

# Conversions

## Conversions Part 2

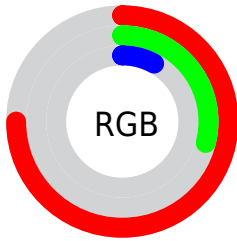
Format	Color
R <sub>Y</sub> B	192, 99, 20
Decimal	12601876
CIE Lab	47.18, 45.13, 52.06
CIE LCh	47, 68.903, 49.078
Yxy	16.1565, 0.5659, 0.3759
Android (android.graphics.Color)	4290791956 (0xFFC04A14)
YUV	103.1260, -40.9811, 77.9425
Hunter-Lab	40.1951, 37.6899, 24.4448

# Details

The YIQ color **103.1260, 87.6620, 8.2220** is a dark color, and the websafe version is hex **993300**. The color can be described as dark washed red. A complement of this color would be **108.8740, -87.6620, -8.2220**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **158.8880, 94.2640, 9.7200**, and **49.1480, 73.4010, 18.8810** is the 20% darker color. If you saturate the color by 10%, you get **93.3290, 97.3360, 9.1120**, and if you desaturate by 10%, it is **112.9230, 77.9880, 7.3320**.

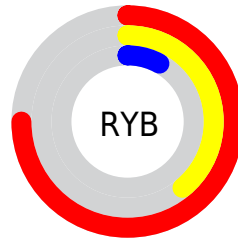
# Distribution



Red (75%)

Green (29%)

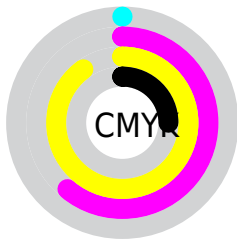
Blue (8%)



Red (75%)

Yellow (39%)

Blue (8%)

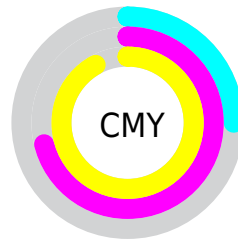


Cyan (0%)

Magenta (61%)

Yellow (90%)

Black (25%)



Cyan (25%)

Magenta (71%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.1260, 87.6620, 8.2220 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 103.1260, 87.6620, 8.2220 by changing the saturation by 10% instead.



103.1260, 87.6620,  
8.2220

103.1260, 87.6620,  
8.2220

255.0000, -0.0000,  
-0.0000

75.7280, 83.0310,  
9.5510

158.8880, 94.2640,  
9.7200

49.1480, 73.4010,  
18.8810

177.5870, 78.8140,  
3.3740

29.9000, 59.6000,  
21.2000

196.8730, 63.0890,  
-3.4950

21.2290, 42.3160,  
15.0520

216.3870, 46.7220,  
-9.7420

13.5690, 26.4990,  
9.8510

236.4880, 30.0800,  
-16.5120

0.0000, 0.0000,  
0.0000

249.0720, 16.6920,

-16.1720

■ 252.2640, 7.7040,  
-7.4640

■ 103.1260, 87.6620,  
8.2220

■ 103.1260, 87.6620,  
8.2220

■ 93.3290, 97.3360,  
9.1120

■ 112.9230, 77.9880,  
7.3320

■ 92.6280, 97.9320,  
9.3240

■ 122.8340, 67.9930,  
6.7530

■ 133.2180, 58.0440,  
5.3400

■ 143.0150, 48.3700,  
4.4500

■ 152.8120, 38.6960,  
3.5600

■ 162.6090, 29.0220,  
2.6700

■ 172.5200, 19.0270,  
2.0910

■ 182.3170, 9.3530,  
1.2010

■ 192.7010, -0.5960,  
-0.2120

# Harmonies

## Analogous

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



96.6350, 89.1680, 47.0240



103.1260, 87.6620, 8.2220



105.6210, 63.1380, -20.9100

# Triad

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



103.1260, 87.6620, 8.2220



89.8640, -65.6480, -43.7600



100.8000, -74.5090, 23.2430

# Complementary

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



103.1260, 87.6620, 8.2220



108.8740, -87.6620, -8.2220

# 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.



99.2530, -107.2420, 5.2220



103.1260, 87.6620, 8.2220



97.2910, -85.1830, -25.6230

# Square

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



103.1260, 87.6620, 8.2220



79.6330, -43.7290, -61.0490



101.3440, -100.7290, -8.1930



113.6990, 13.1950, 52.7390



# Rectangle

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



103.1260, 87.6620, 8.2220



103.3850, 39.8950, -34.7050



101.3440, -100.7290, -8.1930



92.9100, -104.5380, 11.2860

# Sweetspot

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



103.1260, 87.6620, 8.2220



215.2460, 34.4780, 2.9100



85.1080, 63.9920, 73.7840



104.0040, 20.5400, 2.2040



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



103.1260, 87.6620, 8.2220



120.5360, 127.5500, 12.2060



152.4340, 64.5620, -35.7100



91.7510, 5.1350, 0.5510



77.4890, 82.2060, 7.9820



15.7370, 16.9180, 1.7660



# Inverse Universe

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



108.8740, -87.6620, -8.2220



129.4640, -127.5500, -12.2060



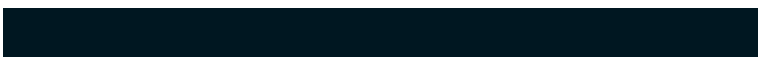
59.5660, -64.5620, 35.7100



92.2490, -5.1350, -0.5510



82.9240, -81.9310, -7.4590



17.2630, -16.9180, -1.7660



# Previews

## White Background



This preview shows how the YIQ color 103.1260, 87.6620, 8.2220 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 103.1260, 87.6620, 8.2220 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 103.1260, 87.6620, 8.2220

## Background



This preview shows how black text looks on a background with the YIQ color 103.1260, 87.6620, 8.2220.



This preview shows how white text looks on a background with the YIQ color 103.1260, 87.6620,



# 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

103.1260, 87.6620, 8.2220

### Protanopia

107.4250, 34.3910, -23.0570

### Deuteranopia

105.2670, 55.2070, -25.8570



## Tritanopia

106.8310, 73.2160, 27.7440

# Trichromacy



## Original Color

103.1260, 87.6620, 8.2220

## Protanomaly

105.9270, 53.8290, -11.8910

## Deuteranomaly

104.4030, 66.9880, -13.5880

## Tritanomaly

105.5400, 78.1690, 20.5770

# Monochromacy



## Original Color

103.1260, 87.6620, 8.2220

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.6910, 31.7270, 3.2070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.1260, 87.6620, 8.2220 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(192, 74, 20)` looks like.

```
.text, #text, p{  
    color:rgb(192, 74, 20)  
}
```

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(192, 74, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 74, 20) }
```

## Border

The CSS property to change the border of an element to YIQ 103.1260, 87.6620, 8.2220 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(192, 74, 20) }
```



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

```
.border{ border-color:rgb(192, 74, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 74, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 74, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 74, 20);  
box-shadow:4px 4px 4px 4px rgb(192, 74,  
20) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.1260, 87.6620, 8.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 74, 20) }
```

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

```
.background{ background-color: rgb(192, 74,  
20) }
```

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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