

# Converting Colors

YIQ(90.6230, 80.2740, 43.0100)

Have a look what the booklet for  
YIQ(90.6230, 80.2740, 43.0100)  
contains.

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# Color

**YIQ(90.6230, 80.2740,  
43.0100)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C2294B
RGB	194, 41, 75
RGB Percent	76%, 16%, 29%
CMY	0.2388, 0.8394, 0.7056
CMYK	0.00, 0.79, 0.61, 0.24
HSL	347°, 65%, 46%
HSV	347°, 79%, 76%
XYZ	24.3366, 13.5728, 8.0071
YIQ	90.6230, 80.2740, 43.0100

# Conversions

## Conversions Part 2

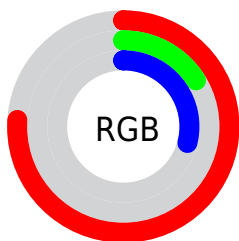
Format	Color
<a href="#">RYB</a>	<a href="#">194, 41, 75</a>
Decimal	<a href="#">12724555</a>
CIELab	<a href="#">43.61, 60.54, 18.99</a>
CIELCh	<a href="#">44, 63.452, 17.415</a>
Yxy	<a href="#">13.5728, 0.5300, 0.2956</a>
Android (android.graphics.Color)	<a href="#">4290914635</a> (0xFFC2294B)
YUV	<a href="#">90.6230, -7.7021, 90.6616</a>
Hunter-Lab	<a href="#">36.8413, 53.4414, 12.9027</a>

# Details

The YIQ color **90.6230, 80.2740, 43.0100** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **144.3770, -80.2740, -43.0100**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.5540, 84.7220, 39.4900**, and **43.4150, 68.9960, 38.1480** is the 20% darker color. If you saturate the color by 10%, you get **77.7600, 90.3140, 48.2820**, and if you desaturate by 10%, it is **103.4860, 70.2340, 37.7380**.

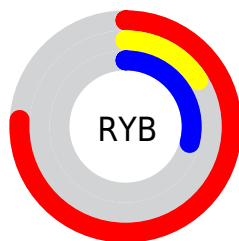
# Distribution



Red (76%)

Green (16%)

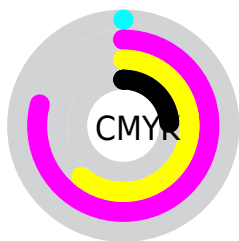
Blue (29%)



Red (76%)

Yellow (16%)

Blue (29%)

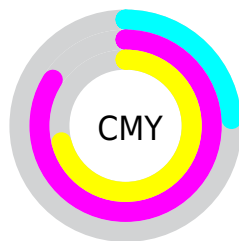


Cyan (0%)

Magenta (79%)

Yellow (61%)

Black (24%)



Cyan (24%)

Magenta (84%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.6230, 80.2740, 43.0100 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 90.6230, 80.2740, 43.0100 by changing the saturation by 10% instead.





 90.6230, 80.2740,  
43.0100


 90.6230, 80.2740,  
43.0100


255.0000, -0.0000,  
-0.0000


 55.0780, 80.7310,  
51.2510


 149.6680, 84.4010,  
39.8010


 43.4150, 68.9960,  
38.1480


 169.5410, 68.4010,  
32.4090


 32.1220, 59.0950,  
24.8470


 189.0550, 52.0340,  
26.1620

 22.3540, 43.4620,  
16.3100

 209.1560, 35.3920,  
19.3920


 13.5690, 26.4990,  
9.8510


 229.3710, 18.4290,  
12.9330


 0.0000, 0.0000,  
0.0000


 249.1300, 2.7500,


5.2300


 90.6230, 80.2740,  
43.0100


 90.6230, 80.2740,  
43.0100


 77.7600, 90.3140,  
48.2820


 103.4860, 70.2340,  
37.7380


 64.3100, 100.6290,  
54.0770


 116.9360, 59.9190,  
31.9430


 62.9080, 101.8210,  
54.5010

 129.7990, 49.8790,  
26.6710


 143.2490, 39.5640,  
20.8760

 156.1120, 29.5240,  
15.6040

 169.0890, 19.1630,  
10.6430

 182.5390, 8.8480,  
4.8480

 195.4020, -1.1920,  
-0.4240

 208.8520,  
-11.5070, -6.2190

# Harmonies

## Analogous

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



95.1480, 57.3470, 56.5390



90.6230, 80.2740, 43.0100



95.2870, 79.9590, 10.1590

# Triad

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



90.6230, 80.2740, 43.0100



77.8030, -29.2880, -52.9360



91.6900, -98.3470, 3.7090

# Complementary

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



90.6230, 80.2740, 43.0100



144.3770, -80.2740, -43.0100

# 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.



93.3080, -91.8800, -8.8720



90.6230, 80.2740, 43.0100



82.2670, -59.4130, -41.1170

# Square

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



90.6230, 80.2740, 43.0100



93.5730, 27.5620, -36.9660



89.1240, -77.3430, -24.5350



90.7520, -74.5540, 18.5500



# Rectangle

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



90.6230, 80.2740, 43.0100



96.5390, 69.6010, -11.3830



89.1240, -77.3430, -24.5350



92.7670, -97.2460, 0.2740

# Sweetspot

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



90.6230, 80.2740, 43.0100



211.4220, 31.5870, 16.7630



93.4250, 20.6190, 72.3870



102.9750, 19.4840, 10.3320



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



90.6230, 80.2740, 43.0100



90.5030, 125.4310, 67.1510



110.8140, 79.9130, 10.9930



90.2180, 5.3180, 2.7420



52.2430, 84.4000, 45.3280



10.6650, 17.4210, 9.1730



# Inverse Universe

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



90.6230, 80.2740, 43.0100



90.5030, 125.4310, 67.1510



124.1860, -79.9130, -10.9930



90.2180, 5.3180, 2.7420



52.2430, 84.4000, 45.3280



10.6650, 17.4210, 9.1730



# Previews

## White Background



This preview shows how the YIQ color 90.6230, 80.2740, 43.0100 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 90.6230, 80.2740, 43.0100 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 90.6230, 80.2740, 43.0100

## Background



This preview shows how black text looks on a background with the YIQ color 90.6230, 80.2740, 43.0100.



This preview shows how white text looks on a background with the YIQ color 90.6230, 80.2740,



# 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

90.6230, 80.2740, 43.0100

### Protanopia

104.4840, 1.5130, 0.1130

### Deuteranopia


103.1260, 25.7680, -4.4400




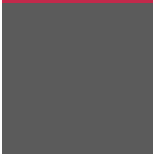

## Tritanopia

90.7680, 86.6950, 31.2630

# Trichromacy

	<b>Original Color</b> 90.6230, 80.2740, 43.0100
	<b>Protanomaly</b> 99.4110, 30.1200, 15.8160
	<b>Deuteranomaly</b> 98.6160, 45.4800, 12.7760
	<b>Tritanomaly</b> 90.7340, 84.0350, 35.4190

# Monochromacy

	<b>Original Color</b> 90.6230, 80.2740, 43.0100
	<b>Achromatopsia</b> 91.0000, -0.0000, -0.0000
	<b>Achromatomaly</b> 90.8130, 28.9280, 15.3920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.6230, 80.2740, 43.0100 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(194, 41, 75)` looks like.

```
.text, #text, p{  
    color:rgb(194, 41, 75)  
}
```

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(194, 41, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 41, 75) }
```

## Border

The CSS property to change the border of an element to YIQ 90.6230, 80.2740, 43.0100 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(194, 41, 75) }
```



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

```
.border{ border-color:rgb(194, 41, 75) }
```

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

Here you see how a box with a 4 pixel rgb(194, 41, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 41, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 41, 75);  
box-shadow:4px 4px 4px 4px rgb(194, 41,  
75) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.6230, 80.2740, 43.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 41, 75) }
```

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

```
.background{ background-color: rgb(194, 41,  
75) }
```

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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