

# Converting Colors

YIQ(116.3390, -23.2440,  
-8.2680)

Have a look what the booklet for  
YIQ(116.3390, -23.2440, -8.2680)  
contains.

<b>YIQ(116.3390, -23.2440, -8.2680)</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(116.3390, -23.2440,  
-8.2680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	598080
RGB	89, 128, 128
RGB Percent	35%, 50%, 50%
CMY	0.6511, 0.4980, 0.4981
CMYK	0.30, 0.00, 0.00, 0.50
HSL	180°, 18%, 43%
HSV	180°, 30%, 50%
XYZ	15.7336, 19.1232, 23.2759
YIQ	116.3390, -23.2440, -8.2680

# Conversions

## Conversions Part 2

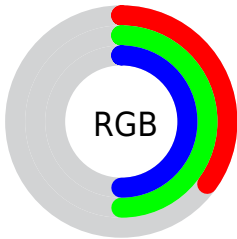
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 109, 128
Decimal	5865600
CIE <sub>Lab</sub>	50.83, -13.53, -4.36
CIE <sub>LCh</sub>	51, 14.213, 197.862
Yxy	19.1232, 0.2706, 0.3290
Android (android.graphics.Color)	4284055680 (0xFF598080)
<b>YUV</b>	116.3390, 5.7489, -23.9763
Hunter-Lab	43.7301, -12.3053, -0.9468

# Details

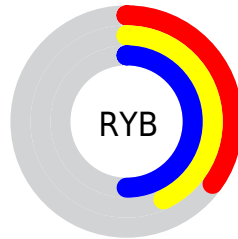
The YIQ color **116.3390, -23.2440, -8.2680** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **100.6610, 23.2440, 8.2680**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.7410, -24.4360, -8.6920**, and **67.3390, -23.2440, -8.2680** is the 20% darker color. If you saturate the color by 10%, you get **112.4520, -30.9920, -11.0240**, and if you desaturate by 10%, it is **120.2260, -15.4960, -5.5120**.

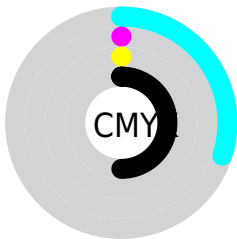
# Distribution



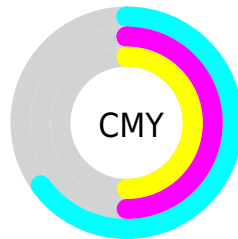
- Red (35%)
- Green (50%)
- Blue (50%)



- Red (35%)
- Yellow (43%)
- Blue (50%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (65%)
- Magenta (50%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.3390, -23.2440, -8.2680 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 116.3390, -23.2440, -8.2680 by changing the saturation by 10% instead.



■ 116.3390,  
-23.2440, -8.2680

■ 116.3390,  
-23.2440, -8.2680

■ 255.0000, -0.0000,  
-0.0000

■ 91.3390, -23.2440,  
-8.2680

■ 168.7410,  
-24.4360, -8.6920

■ 67.3390, -23.2440,  
-8.2680

■ 196.3280,  
-24.7110, -9.2150

■ 44.0400, -23.8400,  
-8.4800

■ 224.3280,  
-24.7110, -9.2150

■ 23.9480, -20.5850,  
-6.8970

■ 245.4320,  
-19.0720, -6.7840

■ 5.0040, -5.8230,  
0.9050

■ 254.1030, -1.7880,  
-0.6360

■ 0.0000, 0.0000,  
0.0000

■ 116.3390,  
-23.2440, -8.2680

■ 116.3390,  
-23.2440, -8.2680

■ 112.4520,  
-30.9920, -11.0240

■ 120.2260,  
-15.4960, -5.5120

■ 108.5650,  
-38.7400, -13.7800

■ 124.1130, -7.7480,  
-2.7560

■ 104.9770,  
-45.8920, -16.3240

■ 127.7010, -0.5960,  
-0.2120

■ 101.0900,  
-53.6400, -19.0800

■ 131.5880, 7.1520,  
2.5440

■ 97.2030, -61.3880,  
-21.8360

■ 135.4750, 14.9000,  
5.3000

■ 93.3160, -69.1360,  
-24.5920

■ 139.3620, 22.6480,  
8.0560

■ 89.7280, -76.2880,  
-27.1360

■ 143.2490, 30.3960,  
10.8120

■ 146.8370, 37.5480,

13.3560

■ 150.7240, 45.2960,  
16.1120

# Harmonies

## Analogous

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



117.0640, -15.2200, -10.5160



116.3390, -23.2440, -8.2680



117.6040, -25.3080, -3.9000

# Triad

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



116.3390, -23.2440, -8.2680



123.1780, 2.7950, 9.9230



121.3900, 16.2770, -3.1390

# Complementary

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



116.3390, -23.2440, -8.2680



100.6610, 23.2440, 8.2680

# 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.



122.4170, 20.8150, 2.7270



116.3390, -23.2440, -8.2680



123.1530, 13.1110, 10.1910

# Square

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



116.3390, -23.2440, -8.2680



121.8390, -9.4920, 6.8280



122.9810, 19.3470, 7.3070



120.1500, 8.0250, -7.7750



# Rectangle

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



116.3390, -23.2440, -8.2680



118.6800, -22.4660, -0.3380



122.9810, 19.3470, 7.3070



121.5260, 18.8900, -0.9340

# Sweetspot

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



116.3390, -23.2440, -8.2680



161.5150, -8.9400, -3.1800



112.1920, -10.1290, -20.1850



81.3090, -5.3640, -1.9080



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



116.3390, -23.2440, -8.2680



147.4620, -36.9520, -13.1440



105.1860, -18.0190, 1.6690



61.9070, -4.1720, -1.4840



89.6140, -75.9670, -27.4470



0.0000, 0.0000, 0.0000



# Inverse Universe

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



100.6610, 23.2440, 8.2680



122.5380, 36.9520, 13.1440



111.8140, 18.0190, -1.6690



59.0930, 4.1720, 1.4840



38.2720, 76.2880, 27.1360



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 116.3390, -23.2440, -8.2680 looks on a white 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



# Black Background



This preview shows how the YIQ color 116.3390, -23.2440, -8.2680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

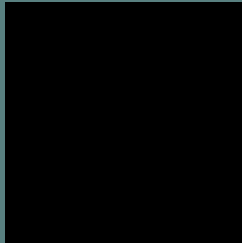
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

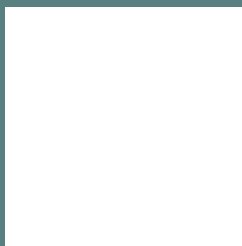
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 116.3390, -23.2440, -8.2680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 116.3390, -23.2440, -8.2680.



This preview shows how white text looks on a background with the YIQ color 116.3390, -23.2440, -8.2680.

-8.2680.

# 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

116.3390, -23.2440, -8.2680

### Protanopia

120.9400, 0.2290, 1.3570

### Deuteranopia

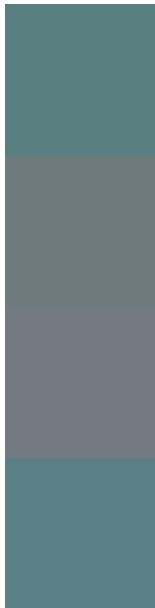
121.7710, 2.3830, 6.3750



## Tritanopia

117.3760, -24.6660, -4.5220

# Trichromacy



## Original Color

116.3390, -23.2440, -8.2680

## Protanomaly

119.3410, -8.3900, -2.1340

## Deuteranomaly

119.8190, -6.7400, 1.0040

## Tritanomaly

116.7350, -24.2990, -5.6670

# Monochromacy



## Original Color

116.3390, -23.2440, -8.2680

## Achromatopsia

116.0000, -0.0000, 0.0000

## Achromatomaly

115.8140, -8.3440, -2.9680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.3390, -23.2440, -8.2680 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(89, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(89, 128, 128)  
}
```

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(89, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 128, 128) }
```

## Border

The CSS property to change the border of an element to YIQ 116.3390, -23.2440, -8.2680 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(89, 128, 128) }
```



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

```
.border{ border-color:rgb(89, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 128,  
128) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.3390, -23.2440, -8.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 128, 128) }
```

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

```
.background{ background-color: rgb(89, 128,  
128) }
```

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