

# Converting Colors

YIQ(117.7140, -45.0280,  
23.1000)

Have a look what the booklet for  
YIQ(117.7140, -45.0280, 23.1000)  
contains.

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# Color

**YIQ(117.7140, -45.0280,  
23.1000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5973CF
RGB	89, 115, 207
RGB Percent	35%, 45%, 81%
CMY	0.6510, 0.5490, 0.1885
CMYK	0.57, 0.44, 0.00, 0.19
HSL	227°, 55%, 58%
HSV	227°, 57%, 81%
XYZ	21.5064, 18.8897, 61.5032
YIQ	117.7140, -45.0280, 23.1000

# Conversions

## Conversions Part 2

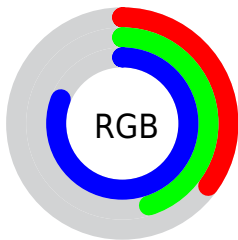
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 110, 207
Decimal	5862351
CIE Lab	50.56, 17.79, -50.57
CIE LCh	51, 53.611, 289.385
Yxy	18.8897, 0.2111, 0.1854
Android (android.graphics.Color)	4284052431 (0xFF5973CF)
YUV	117.7140, 44.0180, -25.1822
Hunter-Lab	43.4623, 12.2681, -53.4774

# Details

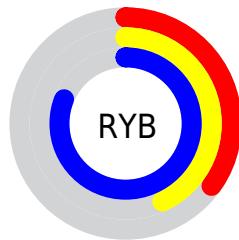
The YIQ color **117.7140, -45.0280, 23.1000** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **178.2860, 45.0280, -23.1000**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.0520, -40.1680, 23.1280**, and **62.3270, -57.3600, 15.3120** is the 20% darker color. If you saturate the color by 10%, you get **102.0430, -53.1440, 27.0160**, and if you desaturate by 10%, it is **133.3850, -36.9120, 19.1840**.

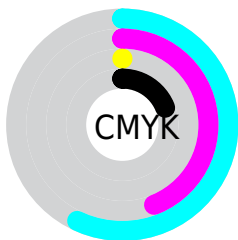
# Distribution



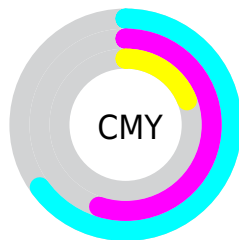
- Red (35%)
- Green (45%)
- Blue (81%)



- Red (35%)
- Yellow (43%)
- Blue (81%)



- Cyan (57%)
- Magenta (44%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (55%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7140, -45.0280, 23.1000 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 117.7140, -45.0280, 23.1000 by changing the saturation by 10% instead.



■ 117.7140,  
-45.0280, 23.1000

■ 117.7140,  
-45.0280, 23.1000

■ 255.0000, -0.0000,  
-0.0000

■ 91.1650, -47.9160,  
20.3720

■ 171.0520,  
-40.1680, 23.1280

■ 62.3270, -57.3600,  
15.3120

■ 195.5720,  
-30.3090, 15.1550

■ 41.2520, -52.7750,  
14.8170

■ 220.0920,  
-20.4500, 7.1820

■ 26.6620, -39.2500,  
17.5020

■ 246.0850,  
-10.5450, -1.6250

■ 8.6640, -24.3960,  
23.6360

■ 8.2760, -17.7920,  
14.0800

■ 4.5940, -10.1800,

8.2840

■ 0.0000, 0.0000,  
0.0000

■ 117.7140,  
-45.0280, 23.1000

■ 117.7140,  
-45.0280, 23.1000

■ 102.0430,  
-53.1440, 27.0160

■ 133.3850,  
-36.9120, 19.1840

■ 86.6710, -60.6640,  
31.1440

■ 148.7570,  
-29.3920, 15.0560

■ 71.0000, -68.7800,  
35.0600

■ 164.4280,  
-21.2760, 11.1400

■ 54.7420, -76.6210,  
39.4990

■ 180.6860,  
-13.4350, 6.7010

■ 50.6000, -79.0970,  
40.3190

■ 196.0580, -5.9150,  
2.5730

■ 211.7290, 2.2010,  
-1.3430

■ 227.4000, 10.3170,  
-5.2590

■ 243.0710, 18.4330,  
-9.1750

■ 249.5280, 15.4080,  
-14.9280

# Harmonies

## Analogous

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



100.2500, -103.1600, -2.6800



117.7140, -45.0280, 23.1000



123.8260, 10.8590, 40.0030

# Triad

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



117.7140, -45.0280, 23.1000



117.3180, 69.5060, 6.8660



94.3950, -71.5170, -42.0210

# Complementary

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



117.7140, -45.0280, 23.1000



178.2860, 45.0280, -23.1000

# 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.



103.6720, -21.1290, -41.1050



117.7140, -45.0280, 23.1000



114.9670, 56.3520, -19.0720

# Square

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



117.7140, -45.0280, 23.1000



117.0850, 69.6850, 31.1650



111.3280, 26.8740, -35.5100



100.3400, -86.8790, -27.9270



# Rectangle

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



117.7140, -45.0280, 23.1000



121.8910, 38.5970, 43.9170



111.3280, 26.8740, -35.5100



91.9840, -66.1060, -46.4740

# Sweetspot

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



117.7140, -45.0280, 23.1000



222.1850, -16.2780, 8.6660



168.5260, -61.3400, -33.7240



108.4860, -9.9960, 4.9480



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.



117.7140, -45.0280, 23.1000



124.0280, -65.9830, 33.9290



111.7210, -19.4020, 43.2700



96.4280, -4.0810, 2.3750



40.8710, -64.1030, 32.8970



9.9570, -15.6360, 8.0440



# Inverse Universe

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



127.2460, 61.9820, 33.1020



138.0590, 90.9100, 48.4940



183.9800, 18.8060, -43.4820



97.5170, 5.9140, 2.9540



54.4500, 88.2510, 47.1230



13.2850, 21.5470, 11.4910



# Previews

## White Background



This preview shows how the YIQ color 117.7140, -45.0280, 23.1000 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 117.7140, -45.0280, 23.1000 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 117.7140, -45.0280, 23.1000

## Background



This preview shows how black text looks on a background with the YIQ color 117.7140, -45.0280, 23.1000.



This preview shows how white text looks on a background with the YIQ color 117.7140, -45.0280,



# 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

117.7140, -45.0280, 23.1000

### Protanopia

116.1260, -52.1800, 20.5560

### Deuteranopia

110.8420, -66.3000, 12.1320



## Tritanopia

111.1070, -43.1420, -11.0940

# Trichromacy



## Original Color

117.7140, -45.0280, 23.1000

## Protanomaly

116.6210, -49.2000, 21.6160

## Deuteranomaly

113.3700, -58.9190, 16.0330

## Tritanomaly

113.5990, -44.1070, 0.8930

# Monochromacy



## Original Color

117.7140, -45.0280, 23.1000

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.7720, -16.5530, 8.1430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.7140, -45.0280, 23.1000 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, 115, 207)` looks like.

```
.text, #text, p{  
    color:rgb(89, 115, 207)  
}
```

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, 115, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 115, 207) }
```

## Border

The CSS property to change the border of an element to YIQ 117.7140, -45.0280, 23.1000 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, 115, 207) }
```



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

```
.border{ border-color:rgb(89, 115, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 115, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 115, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 115, 207);  
box-shadow:4px 4px 4px 4px rgb(89, 115,  
207) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.7140, -45.0280, 23.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 115, 207) }
```

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

```
.background{ background-color: rgb(89, 115,  
207) }
```

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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