

# Converting Colors

YIQ(140.6210, -32.0050,  
12.8510)

Have a look what the booklet for  
YIQ(140.6210, -32.0050, 12.8510)  
contains.

<b>YIQ(140.6210, -32.0050, 12.8510)</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(140.6210, -32.0050,  
12.8510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	768DC6
RGB	118, 141, 198
RGB Percent	46%, 55%, 78%
CMY	0.5373, 0.4470, 0.2237
CMYK	0.40, 0.29, 0.00, 0.22
HSL	223°, 41%, 62%
HSV	223°, 40%, 78%
XYZ	27.1849, 26.9791, 57.1744
YIQ	140.6210, -32.0050, 12.8510

# Conversions

## Conversions Part 2

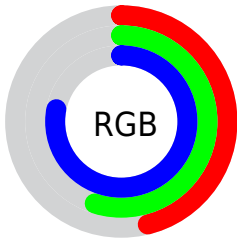
Format	Color
R <sub>Y</sub> B	118, 136, 198
Decimal	7769542
CIE Lab	58.95, 6.35, -32.12
CIE LCh	59, 32.742, 281.184
Yxy	26.9791, 0.2442, 0.2423
Android (android.graphics.Color)	4285959622 (0xFF768DC6)
YUV	140.6210, 28.2878, -19.8386
Hunter-Lab	51.9414, 2.5253, -28.9044

# Details

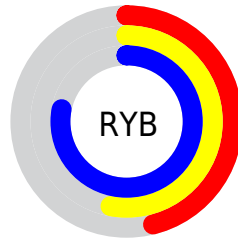
The YIQ color **140.6210, -32.0050, 12.8510** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **175.3790, 32.0050, -12.8510**, and the grayscale version is **140.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **194.6750, -32.0970, 14.5190**, and **89.2680, -32.5090, 10.9710** is the 20% darker color. If you saturate the color by 10%, you get **126.4230, -40.0750, 15.9330**, and if you desaturate by 10%, it is **154.8190, -23.9350, 9.7690**.

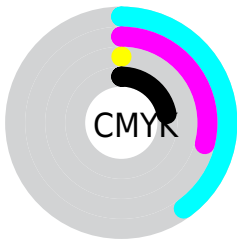
# Distribution



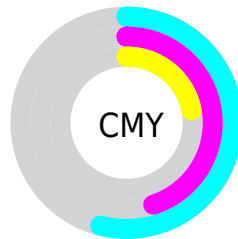
- Red (46%)
- Green (55%)
- Blue (78%)



- Red (46%)
- Yellow (53%)
- Blue (78%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (22%)



- Cyan (54%)
- Magenta (45%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 140.6210, -32.0050, 12.8510 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 140.6210, -32.0050, 12.8510 by changing the saturation by 10% instead.



■ 140.6210,  
-32.0050, 12.8510

■ 140.6210,  
-32.0050, 12.8510

■ 255.0000, -0.0000,  
-0.0000

■ 114.7950,  
-32.5550, 11.8050

■ 194.6750,  
-32.0970, 14.5190

■ 89.2680, -32.5090,  
10.9710

■ 219.4830,  
-23.1090, 5.8110

■ 64.4310, -34.5260,  
8.9780

■ 245.1770,  
-13.8000, -3.2080

■ 37.6040, -42.5030,  
4.8650

■ 23.1280, -29.2990,  
7.8610

■ 6.5320, -15.6370,  
13.5710

■ 3.4370, -8.3000,

7.2520

■ 0.0000, 0.0000,  
0.0000

■ 140.6210,  
-32.0050, 12.8510

■ 140.6210,  
-32.0050, 12.8510

■ 126.4230,  
-40.0750, 15.9330

■ 154.8190,  
-23.9350, 9.7690

■ 112.2250,  
-48.1450, 19.0150

■ 169.0170,  
-15.8650, 6.6870

■ 98.3260, -55.6190,  
22.3090

■ 182.9160, -8.3910,  
3.3930

■ 84.1280, -63.6890,  
25.3910

■ 197.1140, -0.3210,  
0.3110

■ 69.9300, -71.7590,  
28.4730

■ 211.8990, 7.4740,  
-3.2940

■ 56.0310, -79.2330,  
31.7670

■ 226.0970, 15.5440,  
-6.3760

■ 239.6970, 22.4220,  
-9.8820

■ 247.9150, 18.5720,  
-17.2040

■ 248.5020, 18.2970,  
-17.7270

# Harmonies

## Analogous

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



130.7260, -63.6380, -3.0780



140.6210, -32.0050, 12.8510



144.9410, -0.3710, 23.2530

# Triad

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



140.6210, -32.0050, 12.8510



143.3510, 47.5440, 8.4080



130.2970, -32.5940, -26.0500

# Complementary

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



140.6210, -32.0050, 12.8510



175.3790, 32.0050, -12.8510

# 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.



135.3900, -2.0590, -23.2670



140.6210, -32.0050, 12.8510



141.3140, 39.7980, -5.4020

# Square

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



140.6210, -32.0050, 12.8510



144.6900, 42.6360, 20.2680



139.0680, 22.5150, -17.0770



122.0450, -66.9350, -25.9350



# Rectangle

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



140.6210, -32.0050, 12.8510



145.6890, 18.0140, 25.9660



139.0680, 22.5150, -17.0770



132.2720, -22.2780, -25.7820

# Sweetspot

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



140.6210, -32.0050, 12.8510



232.8170, -12.4260, 4.9340



171.3440, -39.9760, -24.4240



114.9870, -7.1530, 2.9830



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.



140.6210, -32.0050, 12.8510



167.4530, -48.7870, 19.6370



131.9040, -16.1440, 28.2720



92.2000, -3.4390, 1.7530



46.1710, -65.2480, 26.1120



9.9740, -14.3060, 5.9660



# Inverse Universe

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



144.5420, 40.2970, 24.1130



173.4680, 61.4770, 36.7490



184.0960, 16.1440, -28.2720



92.9190, 4.7220, 2.5300



54.0950, 82.0610, 49.1730

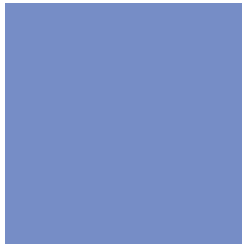


11.9040, 18.2460, 10.7420



# Previews

## White Background



This preview shows how the YIQ color 140.6210, -32.0050, 12.8510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

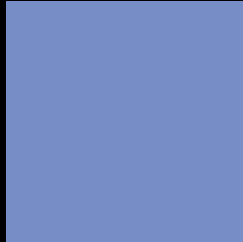
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 140.6210, -32.0050, 12.8510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

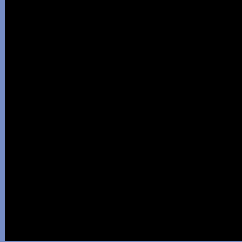
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 140.6210, -32.0050, 12.8510

## Background



This preview shows how black text looks on a background with the YIQ color 140.6210, -32.0050, 12.8510.



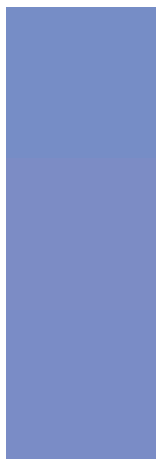
This preview shows how white text looks on a background with the YIQ color 140.6210, -32.0050,



# 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

140.6210, -32.0050, 12.8510

### Protanopia

141.7140, -27.8330, 14.3350

### Deuteranopia

141.2300, -29.3460, 14.2220



## Tritanopia

137.4080, -27.6920, -4.7480

# Trichromacy



## Original Color

140.6210, -32.0050, 12.8510

## Protanomaly

141.1160, -29.0250, 13.9110

## Deuteranomaly

140.9310, -29.9420, 14.0100

## Tritanomaly

138.4390, -28.9770, 2.0230

# Monochromacy



## Original Color

140.6210, -32.0050, 12.8510

## Achromatopsia

141.0000, -0.0000, -0.0000

## Achromatomaly

141.0020, -11.5090, 4.8350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 140.6210, -32.0050, 12.8510 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(118, 141, 198)` looks like.

```
.text, #text, p{  
    color:rgb(118, 141, 198)  
}
```

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(118, 141, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 141, 198) }
```

## Border

The CSS property to change the border of an element to YIQ 140.6210, -32.0050, 12.8510 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(118, 141, 198) }
```



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

```
.border{ border-color:rgb(118, 141, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 141, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 141, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 141, 198);  
box-shadow:4px 4px 4px 4px rgb(118, 141,  
198) }
```

# Background

The CSS property to change the background color of an element to YIQ 140.6210, -32.0050, 12.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 141, 198) }
```

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

```
.background{ background-color: rgb(118,  
141, 198) }
```

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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