

# Converting Colors

YIQ(91.7490, -52.1360, 30.7760)

Have a look what the booklet for  
YIQ(91.7490, -52.1360, 30.7760)  
contains.

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# Color

**YIQ(91.7490, -52.1360,  
30.7760)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D56CA
RGB	61, 86, 202
RGB Percent	24%, 34%, 79%
CMY	0.7607, 0.6627, 0.2081
CMYK	0.70, 0.57, 0.00, 0.21
HSL	229°, 57%, 52%
HSV	229°, 70%, 79%
XYZ	15.9050, 11.9102, 57.2908
YIQ	91.7490, -52.1360, 30.7760

# Conversions

## Conversions Part 2

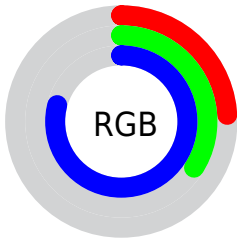
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	61, 82, 202
Decimal	4019914
CIE Lab	41.07, 29.53, -63.06
CIE LCh	41, 69.630, 295.089
Yxy	11.9102, 0.1869, 0.1399
Android (android.graphics.Color)	4282209994 (0xFF3D56CA)
YUV	91.7490, 54.3537, -26.9669
Hunter-Lab	34.5111, 21.8702, -74.2675

# Details

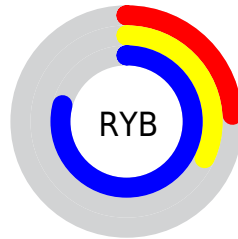
The YIQ color **91.7490, -52.1360, 30.7760** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **171.2510, 52.1360, -30.7760**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.6900, -44.4800, 35.2000**, and **41.4120, -58.7370, 23.7510** is the 20% darker color. If you saturate the color by 10%, you get **75.7900, -59.3810, 35.4270**, and if you desaturate by 10%, it is **107.7080, -44.8910, 26.1250**.

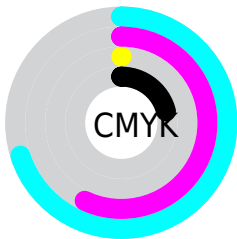
# Distribution



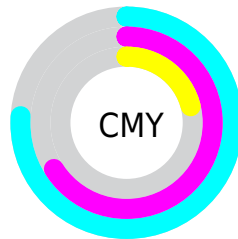
- Red (24%)
- Green (34%)
- Blue (79%)



- Red (24%)
- Yellow (32%)
- Blue (79%)



- Cyan (70%)
- Magenta (57%)
- Yellow (0%)
- Black (21%)



- Cyan (76%)
- Magenta (66%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 91.7490, -52.1360, 30.7760 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 91.7490, -52.1360, 30.7760 by changing the saturation by 10% instead.



■ 91.7490, -52.1360,  
30.7760

■ 91.7490, -52.1360,  
30.7760

■ 255.0000, -0.0000,  
-0.0000

■ 59.8070, -67.2190,  
23.2850

■ 145.6900,  
-44.4800, 35.2000

■ 41.4120, -58.7370,  
23.7510

■ 170.5090,  
-34.0250, 27.4390

■ 26.5940, -44.5700,  
25.8140

■ 195.3280,  
-23.5700, 19.6780

■ 10.8300, -30.4950,  
29.5450

■ 220.1470,  
-13.1150, 11.9170

■ 12.6760, -24.6700,  
17.5860

■ 246.1400, -3.2100,  
3.1100

■ 7.7060, -16.1870,  
12.5250

■ 3.4370, -8.3000,

7.2520

■ 0.0000, 0.0000,  
0.0000

■ 91.7490, -52.1360,  
30.7760

■ 91.7490, -52.1360,  
30.7760

■ 75.7900, -59.3810,  
35.4270

■ 107.7080,  
-44.8910, 26.1250

■ 60.4180, -66.9010,  
39.5550

■ 123.0800,  
-37.3710, 21.9970

■ 44.1600, -74.7420,  
43.9940

■ 139.3380,  
-29.5300, 17.5580

■ 154.7100,  
-22.0100, 13.4300

■ 170.6690,  
-14.7650, 8.7790

■ 186.6280, -7.5200,  
4.1280

■ 202.0000, -0.0000,  
0.0000

■ 218.2580, 7.8410,  
-4.4390

■ 234.2170, 15.0860,  
-9.0900

# Harmonies

## Analogous

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



86.9770, -97.4770, 9.9710



91.7490, -52.1360, 30.7760



94.5650, 25.4360, 56.6680

# Triad

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



91.7490, -52.1360, 30.7760



87.5010, 81.9320, 1.9320



80.1300, -60.2850, -36.3250

# Complementary

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



91.7490, -52.1360, 30.7760



171.2510, 52.1360, -30.7760

# 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.



70.4860, -38.6410, -54.1370



91.7490, -52.1360, 30.7760



91.3900, 50.6670, -20.6690

# Square

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



91.7490, -52.1360, 30.7760



75.4780, 91.0480, 45.9920



84.9240, 13.2120, -41.2200



87.4430, -79.4990, -18.4990



# Rectangle

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



91.7490, -52.1360, 30.7760



78.9890, 62.7090, 69.5010



84.9240, 13.2120, -41.2200



77.2630, -53.5900, -42.0220

# Sweetspot

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



91.7490, -52.1360, 30.7760



213.0260, -20.0840, 11.5640



156.8770, -75.6900, -37.9780



102.5830, -11.6470, 7.3370



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.



91.7490, -52.1360, 30.7760



87.7020, -79.1440, 46.6800



90.5290, -18.4410, 53.3910



94.3140, -3.7600, 2.0640



35.9470, -61.2610, 36.4590



8.4410, -14.1230, 8.1570



# Inverse Universe

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



106.0090, 76.0110, 37.6670



109.3180, 115.3460, 57.1860



172.4710, 18.4410, -53.3910



95.2180, 5.3180, 2.7420



52.9400, 89.6270, 44.2110



12.1600, 20.4010, 10.2330



# Previews

## White Background



This preview shows how the YIQ color 91.7490, -52.1360, 30.7760 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 91.7490, -52.1360, 30.7760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

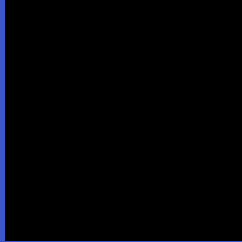
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 91.7490, -52.1360, 30.7760

## Background



This preview shows how black text looks on a background with the YIQ color 91.7490, -52.1360, 30.7760.



This preview shows how white text looks on a background with the YIQ color 91.7490, -52.1360,



# 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

91.7490, -52.1360, 30.7760

### Deuteranopia

77.4930, -81.7950, 1.0930

### Tritanopia

75.9190, -66.3400, -20.1960

# Trichromacy



## Original Color

91.7490, -52.1360, 30.7760

## Deuteranomaly

82.5040, -71.1600, 12.1040

## Tritanomaly

81.4490, -61.3000, -1.3960

# Monochromacy



## Original Color

91.7490, -52.1360, 30.7760

## Achromatopsia

92.0000, 0.0000, -0.0000

## Achromatomaly

92.0970, -18.8460, 11.1540

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 91.7490, -52.1360, 30.7760 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(61, 86, 202)` looks like.

```
.text, #text, p{  
    color:rgb(61, 86, 202)  
}
```

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(61, 86, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 86, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 91.7490, -52.1360, 30.7760 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(61, 86, 202) }
```

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

```
.border{ border-color:rgb(61, 86, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 86, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 86, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 86, 202);  
box-shadow:4px 4px 4px 4px rgb(61, 86,  
202) }
```



# Background

The CSS property to change the background color of an element to YIQ 91.7490, -52.1360, 30.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 86, 202) }
```

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

```
.background{ background-color: rgb(61, 86,  
202) }
```

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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