

# Converting Colors

YIQ(38.7920, -61.7220, 50.3260)

Have a look what the booklet for  
YIQ(38.7920, -61.7220, 50.3260)  
contains.

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# Color

**YIQ(38.7920, -61.7220,  
50.3260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B17C1
RGB	11, 23, 193
RGB Percent	4%, 9%, 76%
CMY	0.9566, 0.9098, 0.2435
CMYK	0.94, 0.88, 0.00, 0.24
HSL	236°, 89%, 40%
HSV	236°, 94%, 76%
XYZ	10.0597, 4.5303, 50.7401
YIQ	38.7920, -61.7220, 50.3260

# Conversions

## Conversions Part 2

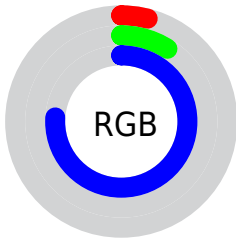
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 22, 193
Decimal	726977
CIE <sub>Lab</sub>	25.35, 58.27, -83.76
CIE <sub>LCh</sub>	25, 102.035, 304.825
Yxy	4.5303, 0.1540, 0.0693
Android (android.graphics.Color)	4278917057 (0xFF0B17C1)
YUV	38.7920, 76.0245, -24.3736
Hunter-Lab	21.2844, 47.1171, -126.4430




# Details

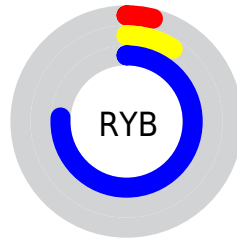
The YIQ color **38.7920, -61.7220, 50.3260** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **165.2080, 61.7220, -50.3260**, and the grayscale version is **38.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **103.1480, -38.9370, 61.4070**, and **15.7320, -44.2980, 42.9180** is the 20% darker color. If you saturate the color by 10%, you get **29.6330, -65.5280, 53.2240**, and if you desaturate by 10%, it is **55.0390, -55.3480, 44.9400**.

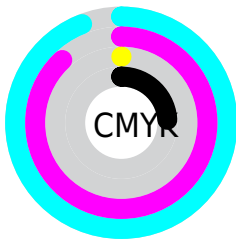
# Distribution







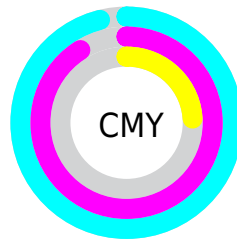
-  Red (4%)
-  Green (9%)
-  Blue (76%)






-  Red (4%)
-  Yellow (9%)
-  Blue (76%)



-  Cyan (94%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (24%)



-  Cyan (96%)
-  Magenta (91%)
-  Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.7920, -61.7220, 50.3260 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 38.7920, -61.7220, 50.3260 by changing the saturation by 10% instead.



■ 38.7920, -61.7220,  
50.3260

■ 38.7920, -61.7220,  
50.3260

■ 255.0000, -0.0000,  
-0.0000

■ 18.8100, -52.9650,  
51.3150

■ 103.1480,  
-38.9370, 61.4070

■ 15.7320, -44.2980,  
42.9180

■ 128.1460,  
-27.4280, 56.5720

■ 12.6540, -35.6310,  
34.5210

■ 152.6770,  
-16.1020, 49.5460

■ 16.7340, -30.5850,  
20.1590

■ 177.7950, -5.0510,  
41.9970

■ 10.4760, -21.2310,  
15.8330

■ 203.5000, 5.7250,  
33.9250

■ 6.0930, -13.0230,  
10.2490

■ 227.4110, 12.9250,


■ 2.4110, -5.4110,


24.5810


4.4530


 243.8470, 5.2250,  
9.9370


 0.0000, 0.0000,  
0.0000


 38.7920, -61.7220,  
50.3260

 38.7920, -61.7220,  
50.3260


 29.6330, -65.5280,  
53.2240

 55.0390, -55.3480,  
44.9400

 71.5850, -48.3780,  
39.7660

 87.8320, -42.0040,  
34.3800

 104.0790,  
-35.6300, 28.9940

 120.6250,  
-28.6600, 23.8200

■ 136.8720,  
-22.2860, 18.4340

■ 153.1190,  
-15.9120, 13.0480

■ 169.3660, -9.5380,  
7.6620

■ 185.9120, -2.5680,  
2.4880

# Harmonies

## Analogous

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



68.2730, -91.6580, 31.1740



38.7920, -61.7220, 50.3260



60.0400, 49.5040, 72.0320

# Triad

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



38.7920, -61.7220, 50.3260



45.5820, 69.1830, 18.2310



56.9290, -45.9370, -21.0170

# Complementary

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



38.7920, -61.7220, 50.3260



165.2080, 61.7220, -50.3260

# 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.



46.9600, -22.0000, -41.8400



38.7920, -61.7220, 50.3260



56.1170, 20.8190, -19.3810

# Square

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



38.7920, -61.7220, 50.3260



49.0360, 97.7440, 34.7680



44.6120, -20.9000, -39.7480



66.9950, -71.5250, 2.1950



# Rectangle

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



38.7920, -61.7220, 50.3260



61.4020, 80.1790, 61.2590



44.6120, -20.9000, -39.7480



53.1500, -36.6740, -29.2020

# Sweetspot

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



38.7920, -61.7220, 50.3260



190.9150, -23.8450, 19.1550



137.2140, -104.6200, -42.3160



88.6630, -14.6280, 11.8040



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



38.7920, -61.7220, 50.3260



37.8920, -84.6500, 69.3820



55.3690, -11.3380, 73.3500



88.7270, -3.4850, 2.5870



24.8110, -54.7060, 44.3180



4.9360, -11.1430, 9.2170



# Inverse Universe

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



66.7860, 104.6200, 42.3160



76.5740, 143.8640, 57.9760



148.6310, 11.3380, -73.3500



90.1040, 5.6390, 2.4310



49.3930, 92.4250, 37.5530

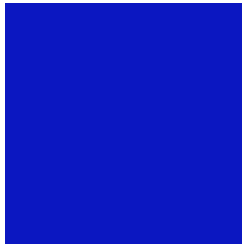


10.0950, 19.0260, 7.6180



# Previews

## White Background



This preview shows how the YIQ color 38.7920, -61.7220, 50.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

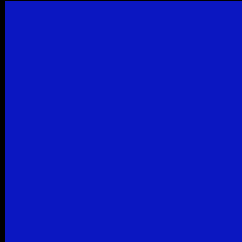
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 38.7920, -61.7220, 50.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

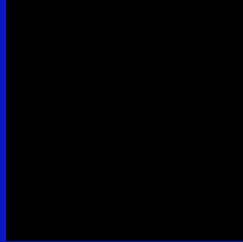
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 38.7920, -61.7220, 50.3260

## Background



This preview shows how black text looks on a background with the YIQ color 38.7920, -61.7220, 50.3260.



This preview shows how white text looks on a background with the YIQ color 38.7920, -61.7220,



# 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

38.7920, -61.7220, 50.3260

### Protanopia

48.6550, -55.7080, 7.3960

### Deuteranopia

48.8370, -50.7090, -0.6050



## Tritanopia

48.0100, -41.4910, -13.4830

# Trichromacy



## Original Color

38.7920, -61.7220, 50.3260

## Protanomaly

45.0700, -57.7740, 22.8180

## Deuteranomaly

44.8760, -54.4720, 18.0400

## Tritanomaly

44.8300, -48.8310, 9.4170

# Monochromacy



## Original Color

38.7920, -61.7220, 50.3260

## Achromatopsia

39.0000, -0.0000, -0.0000

## Achromatomaly

38.8720, -22.2860, 18.4340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.7920, -61.7220, 50.3260 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(11, 23, 193)` looks like.

```
.text, #text, p{  
    color:rgb(11, 23, 193)  
}
```

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(11, 23, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 23, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 38.7920, -61.7220, 50.3260 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(11, 23, 193) }
```



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

```
.border{ border-color:rgb(11, 23, 193) }
```

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

Here you see how a box with a 4 pixel rgb(11, 23, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 23, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 23, 193);  
box-shadow:4px 4px 4px 4px rgb(11, 23,  
193) }
```

# Background

The CSS property to change the background color of an element to YIQ 38.7920, -61.7220, 50.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 23, 193) }
```

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

```
.background{ background-color: rgb(11, 23,  
193) }
```

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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