

# Converting Colors

YIQ(53.4020, -61.9450, 15.8070)

Have a look what the booklet for  
YIQ(53.4020, -61.9450, 15.8070)  
contains.

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# Color

**YIQ(53.4020, -61.9450,  
15.8070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	043C95
RGB	4, 60, 149
RGB Percent	2%, 24%, 58%
CMY	0.9843, 0.7646, 0.4160
CMYK	0.97, 0.60, 0.00, 0.42
HSL	217°, 95%, 30%
HSV	217°, 97%, 58%
XYZ	7.0853, 5.4273, 29.0743
YIQ	53.4020, -61.9450, 15.8070

# Conversions

## Conversions Part 2

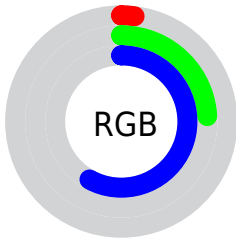
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	4, 44, 149
Decimal	277653
CIE Lab	27.92, 21.13, -53.07
CIE LCh	28, 57.118, 291.707
Yxy	5.4273, 0.1704, 0.1305
Android (android.graphics.Color)	4278467733 (0xFF043C95)
YUV	53.4020, 47.1298, -43.3256
Hunter-Lab	23.2965, 13.5197, -57.6872

# Details

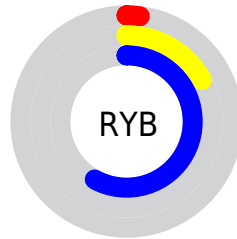
The YIQ color **53.4020, -61.9450, 15.8070** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **99.5980, 61.9450, -15.8070**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **111.4800, -44.2490, 25.5030**, and **22.7980, -36.6370, 19.7070** is the 20% darker color. If you saturate the color by 10%, you get **51.0320, -63.7790, 16.0050**, and if you desaturate by 10%, it is **63.1700, -55.4800, 14.2800**.

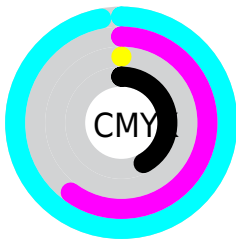
# Distribution



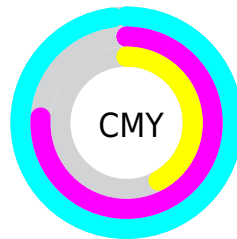
- Red (2%)
- Green (24%)
- Blue (58%)



- Red (2%)
- Yellow (17%)
- Blue (58%)



- Cyan (97%)
- Magenta (60%)
- Yellow (0%)
- Black (42%)



- Cyan (98%)
- Magenta (76%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.4020, -61.9450, 15.8070 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 53.4020, -61.9450, 15.8070 by changing the saturation by 10% instead.



■ 53.4020, -61.9450,  
15.8070

■ 53.4020, -61.9450,  
15.8070

■ 255.0000, -0.0000,  
-0.0000

■ 36.9150, -50.2080,  
17.8560

■ 111.4800,  
-44.2490, 25.5030

■ 22.7980, -36.6370,  
19.7070

■ 138.0180,  
-42.8280, 27.2840

■ 8.3220, -23.4330,  
22.7030

■ 164.5730,  
-40.0770, 26.9870

■ 7.9340, -16.8290,  
13.1470

■ 189.0930,  
-30.2180, 19.0140

■ 3.6650, -8.9420,  
7.8740

■ 213.9120,  
-19.7630, 11.2530

■ 0.0000, 0.0000,  
0.0000

■ 239.0190,

-10.1790, 2.7570

■ 53.4020, -61.9450,  
15.8070

■ 53.4020, -61.9450,  
15.8070

■ 51.0320, -63.7790,  
16.0050

■ 63.1700, -55.4800,  
14.2800

■ 72.9380, -49.0150,  
12.7530

■ 82.7060, -42.5500,  
11.2260

■ 93.0610, -36.3600,  
9.1760

■ 102.5300,  
-30.4910, 7.4370

■ 112.2980,  
-24.0260, 5.9100

■ 122.0660,  
-17.5610, 4.3830

■ 131.8340,  
-11.0960, 2.8560

■ 141.6020, -4.6310,  
1.3290

# Harmonies

## Analogous

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



61.5810, -70.0590, 8.6690



53.4020, -61.9450, 15.8070



64.2610, 14.0680, 42.4200

# Triad

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



53.4020, -61.9450, 15.8070



58.1970, 62.5370, 6.5130



54.6490, -39.5170, -27.2370

# Complementary

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



53.4020, -61.9450, 15.8070



99.5980, 61.9450, -15.8070

# 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



53.4020, -61.9450, 15.8070



62.7280, 38.3320, -11.8760

# Square

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



53.4020, -61.9450, 15.8070



45.7790, 70.9670, 40.9750



58.3990, 10.9170, -27.1550



60.3660, -54.2370, -13.7650



# Rectangle

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



53.4020, -61.9450, 15.8070



49.1020, 45.7930, 56.6810



58.3990, 10.9170, -27.1550



52.2380, -34.1060, -31.6900

# Sweetspot

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



53.4020, -61.9450, 15.8070



156.7110, -23.7510, 6.4330



99.0330, -67.8020, -48.7780



74.5070, -14.4890, 3.7750



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



53.4020, -61.9450, 15.8070



66.1410, -82.8990, 21.1090



24.7160, -38.2010, 48.0630



68.9720, -2.7970, 1.1310



46.8430, -58.8730, 15.1990



3.4880, -4.3100, 1.0180



# Inverse Universe

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



53.7390, 68.4440, 48.1560



66.5560, 91.5490, 64.4530



127.9850, 37.6050, -48.2750



69.3210, 3.5300, 2.1060



47.3040, 65.2350, 45.7390



3.4460, 4.6760, 3.3640



# Previews

## White Background



This preview shows how the YIQ color 53.4020, -61.9450, 15.8070 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 53.4020, -61.9450, 15.8070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

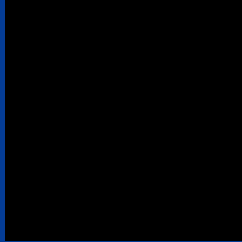
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 53.4020, -61.9450, 15.8070

## Background



This preview shows how black text looks on a background with the YIQ color 53.4020, -61.9450, 15.8070.



This preview shows how white text looks on a background with the YIQ color 53.4020, -61.9450,



# 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

53.4020, -61.9450, 15.8070

### Protanopia

52.9580, -60.9350, 8.5130

### Deuteranopia

53.1400, -55.9360, 0.5120



## Tritanopia

52.3300, -45.3880, -14.4440

# Trichromacy



## Original Color

53.4020, -61.9450, 15.8070

## Protanomaly

53.2400, -61.6690, 10.8030

## Deuteranomaly

53.0460, -58.3670, 6.0250

## Tritanomaly

52.6580, -51.7630, -3.5310

# Monochromacy



## Original Color

53.4020, -61.9450, 15.8070

## Achromatopsia

53.0000, -0.0000, -0.0000

## Achromatomaly

53.3690, -22.7880, 5.5000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.4020, -61.9450, 15.8070 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(4, 60, 149)` looks like.

```
.text, #text, p{  
    color:rgb(4, 60, 149)  
}
```

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(4, 60, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 60, 149) }
```

## Border

The CSS property to change the border of an element to YIQ 53.4020, -61.9450, 15.8070 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(4, 60, 149) }
```



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

```
.border{ border-color:rgb(4, 60, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 60, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 60, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 60, 149);  
box-shadow:4px 4px 4px 4px rgb(4, 60, 149)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 53.4020, -61.9450, 15.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 60, 149) }
```

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

```
.background{ background-color: rgb(4, 60,  
149) }
```

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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