

# Converting Colors

YIQ(47.5050, 6.1880, 9.0040)

Have a look what the booklet for  
YIQ(47.5050, 6.1880, 9.0040)  
contains.

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**Color**

**YIQ(47.5050, 6.1880, 9.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B2838
RGB	59, 40, 56
RGB Percent	23%, 16%, 22%
CMY	0.7686, 0.8432, 0.7804
CMYK	0.00, 0.32, 0.05, 0.77
HSL	309°, 19%, 19%
HSV	309°, 32%, 23%
XYZ	3.2769, 2.7328, 4.0966
YIQ	47.5050, 6.1880, 9.0040

# Conversions

## Conversions Part 2

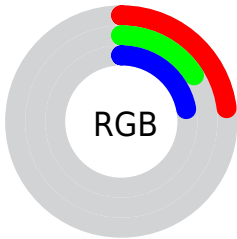
Format	Color
<b>R<sub>YB</sub></b>	59, 40, 56
Decimal	3876920
CIE Lab	18.94, 12.13, -6.77
CIE LCh	19, 13.892, 330.813
Yxy	2.7328, 0.3242, 0.2704
Android (android.graphics.Color)	4282067000 (0xFF3B2838)
YUV	47.5050, 4.1880, 10.0811
Hunter-Lab	16.5313, 6.4529, -3.1205




# Details

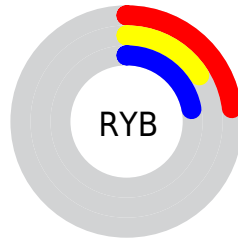
The YIQ color **47.5050, 6.1880, 9.0040** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **51.4950, -6.1880, -9.0040**, and the grayscale version is **47.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **93.6300, 7.3340, 10.2620**, and **5.5540, 4.4920, 6.7000** is the 20% darker color. If you saturate the color by 10%, you get **43.8690, 8.1590, 11.8310**, and if you desaturate by 10%, it is **51.1410, 4.2170, 6.1770**.

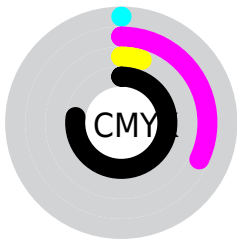
# Distribution







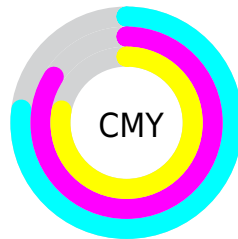
-  Red (23%)
-  Green (16%)
-  Blue (22%)






-  Red (23%)
-  Yellow (16%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (32%)
-  Yellow (5%)
-  Black (77%)



-  Cyan (77%)
-  Magenta (84%)
-  Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.5050, 6.1880, 9.0040 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 47.5050, 6.1880, 9.0040 by changing the saturation by 10% instead.



47.5050, 6.1880,  
9.0040

47.5050, 6.1880,  
9.0040

255.0000, -0.0000,  
-0.0000

26.2060, 5.5920,  
8.7920

93.6300, 7.3340,  
10.2620

5.5540, 4.4920,  
6.7000

118.6300, 7.3340,  
10.2620

0.0000, 0.0000,  
0.0000

144.0430, 7.6090,  
10.7850

170.4560, 7.8840,  
11.3080

197.7550, 8.4800,  
11.5200

225.8690, 8.1590,

11.8310

249.1300, 2.7500,  
5.2300

47.5050, 6.1880,  
9.0040

47.5050, 6.1880,  
9.0040

43.8690, 8.1590,  
11.8310

51.1410, 4.2170,  
6.1770

40.2330, 10.1300,  
14.6580

54.7770, 2.2460,  
3.3500

36.5970, 12.1010,  
17.4850

58.4130, 0.2750,  
0.5230

32.9610, 14.0720,  
20.3120

62.0490, -1.6960,  
-2.3040

29.3250, 16.0430,  
23.1390

65.6850, -3.6670,  
-5.1310

■ 26.2760, 17.7390,  
25.4430

■ 68.7340, -5.3630,  
-7.4350

■ 23.3410, 19.1140,  
28.0580

■ 72.3700, -7.3340,  
-10.2620

■ 75.8920, -8.9840,  
-13.4000

■ 79.5280, -10.9550,  
-16.2270

# Harmonies

## Analogous

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



46.7750, -3.4400, 7.2800



47.5050, 6.1880, 9.0040



46.9850, 13.5240, 8.2120

# Triad

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



47.5050, 6.1880, 9.0040



45.2260, 10.8670, -4.2130



39.3110, -26.0410, -7.1370

# Complementary

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



47.5050, 6.1880, 9.0040



51.4950, -6.1880, -9.0040

# 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.



40.5630, -18.0630, -8.5510



47.5050, 6.1880, 9.0040



44.5130, 2.5690, -8.0150

# Square

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



47.5050, 6.1880, 9.0040



46.1990, 15.4970, -0.0150



43.0110, -7.7010, -9.1170



41.6150, -23.8410, -2.9530



# Rectangle

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



47.5050, 6.1880, 9.0040



47.0730, 16.0920, 5.7240



43.0110, -7.7010, -9.1170



39.2680, -24.4820, -7.8580

# Sweetspot

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



47.5050, 6.1880, 9.0040



72.0760, 2.8420, 3.5620



43.0630, -4.3110, 6.5450



35.6520, 1.1000, 2.0920



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



47.5050, 6.1880, 9.0040



58.8200, 9.8550, 14.1350



46.4790, 9.0770, 6.2050



29.1250, 1.1460, 1.2580



37.1120, 30.6650, 44.4970



87.6960, 72.2850, 105.2210



# Inverse Universe

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



47.5050, 6.1880, 9.0040



58.8200, 9.8550, 14.1350



52.5210, -9.0770, -6.2050



29.1250, 1.1460, 1.2580



37.1120, 30.6650, 44.4970



87.6960, 72.2850, 105.2210



# Previews

## White Background



This preview shows how the YIQ color 47.5050, 6.1880, 9.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

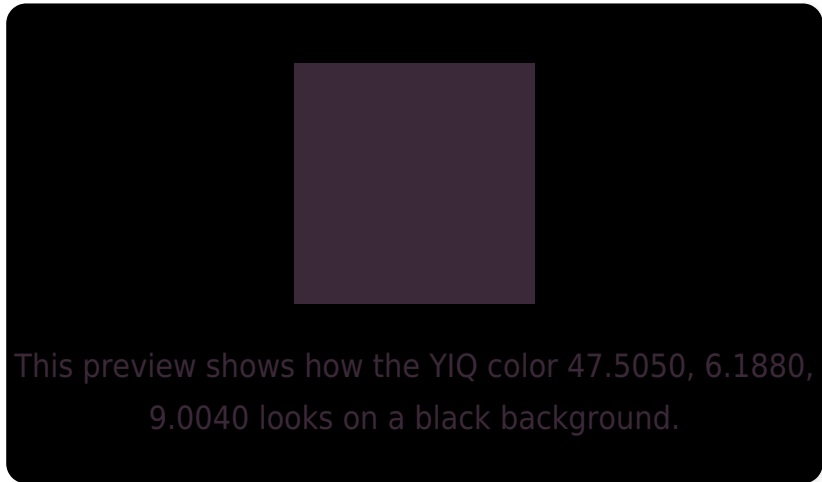
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

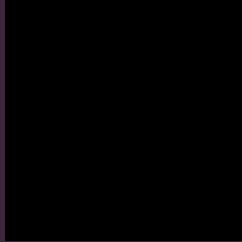
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 47.5050, 6.1880, 9.0040**

## **Background**



This preview shows how black text looks on a background with the YIQ color 47.5050, 6.1880, 9.0040.



This preview shows how white text looks on a background with the YIQ color 47.5050, 6.1880, 9.0040.

# 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

47.5050, 6.1880, 9.0040

### Protanopia

46.6990, -6.2820, 3.7180

### Deuteranopia

46.4390, -2.6140, 3.3220



## Tritanopia

47.1260, 8.5730, 4.3250

# Trichromacy



## Original Color

47.5050, 6.1880, 9.0040

## Protanomaly

47.2050, -1.8350, 5.7250

## Deuteranomaly

46.7600, 0.9160, 5.4280

## Tritanomaly

46.9950, 7.5640, 6.0920

# Monochromacy



## Original Color

47.5050, 6.1880, 9.0040

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

47.7770, 2.2460, 3.3500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.5050, 6.1880, 9.0040 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(59, 40, 56)` looks like.

```
.text, #text, p{  
    color:rgb(59, 40, 56)  
}
```

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(59, 40, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 40, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 47.5050, 6.1880, 9.0040 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(59, 40, 56) }
```

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

```
.border{ border-color:rgb(59, 40, 56) }
```

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

Here you see how a box with a 4 pixel rgb(59, 40, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 40, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 40, 56);  
box-shadow:4px 4px 4px 4px rgb(59, 40, 56)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 47.5050, 6.1880, 9.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 40, 56) }
```

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

```
.background{ background-color: rgb(59, 40,  
56) }
```

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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