

Converting Colors

YIQ(77.8080, -9.3480, -28.8360)

Have a look what the booklet for
YIQ(77.8080, -9.3480, -28.8360)
contains.

YIQ(77.8080, -9.3480, -28.8360)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(77.8080, -9.3480,
-28.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	336327
RGB	51, 99, 39
RGB Percent	20%, 39%, 15%
CMY	0.8002, 0.6117, 0.8470
CMYK	0.49, 0.00, 0.61, 0.61
HSL	108°, 43%, 27%
HSV	108°, 61%, 39%
XYZ	6.1933, 9.7768, 3.4803
YIQ	77.8080, -9.3480, -28.8360

Conversions

Conversions Part 2

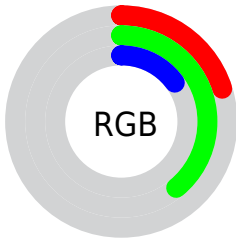
Format	Color
R_{YB}	39, 99, 87
Decimal	3367719
CIE _{Lab}	37.44, -29.14, 28.66
CIE _{LCh}	37, 40.873, 135.471
Yxy	9.7768, 0.3184, 0.5027
Android (android.graphics.Color)	4281557799 (0xFF336327)
YUV	77.8080, -19.1323, -23.5106
Hunter-Lab	31.2678, -19.3629, 15.2881

Details

The YIQ color **77.8080, -9.3480, -28.8360** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **60.1920, 9.3480, 28.8360**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **128.0530, -8.6600, -30.2920**, and **30.8230, -13.7040, -26.9840** is the 20% darker color. If you saturate the color by 10%, you get **74.2760, -10.9060, -33.6420**, and if you desaturate by 10%, it is **81.3400, -7.7900, -24.0300**.

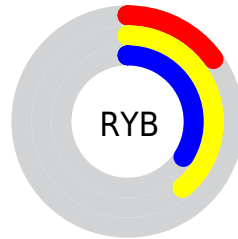
Distribution



Red (20%)

Green (39%)

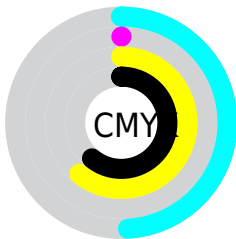
Blue (15%)



Red (15%)

Yellow (39%)

Blue (34%)

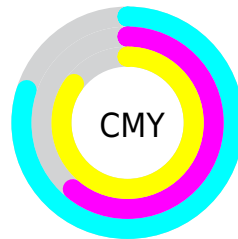


Cyan (49%)

Magenta (0%)

Yellow (61%)

Black (61%)



Cyan (80%)

Magenta (61%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.8080, -9.3480, -28.8360 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 77.8080, -9.3480, -28.8360 by changing the saturation by 10% instead.

■ 77.8080, -9.3480,
-28.8360

■ 77.8080, -9.3480,
-28.8360

■ 255.0000, -0.0000,
-0.0000

■ 53.3240, -10.8610,
-28.9490

■ 128.0530, -8.6600,
-30.2920

■ 30.8230, -13.7040,
-26.9840

■ 154.5260, -8.6140,
-31.1260

■ 18.7840, -8.8000,
-16.7360

■ 181.9990, -8.5680,
-31.9600

■ 0.0000, 0.0000,
0.0000

■ 209.7710, -7.9260,
-32.5820

■ 234.2490, -6.2760,
-29.4440

■ 245.8130, 1.4240,

-14.8000

254.0880, 2.5680,
-2.4880

77.8080, -9.3480,
-28.8360

77.8080, -9.3480,
-28.8360

74.2760, -10.9060,
-33.6420

81.3400, -7.7900,
-24.0300

70.7440, -12.4640,
-38.4480

84.8720, -6.2320,
-19.2240

67.2120, -14.0220,
-43.2540

88.4040, -4.6740,
-14.4180

64.0930, -15.3050,
-47.5370

91.9360, -3.1160,
-9.6120

95.4680, -1.5580,
-4.8060

■ 98.8860, 0.3210,
-0.3110

■ 102.1190, 1.2830,
4.2830

■ 105.6510, 2.8410,
9.0890

■ 109.1830, 4.3990,
13.8950

Harmonies

Analogous

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



82.5530, 22.2870, -23.9610



77.8080, -9.3480, -28.8360



68.4410, -50.7950, -32.0990

Triad

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



77.8080, -9.3480, -28.8360



73.6800, -75.1920, -2.9360



86.5060, 49.1460, 23.4340

Complementary

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



77.8080, -9.3480, -28.8360



60.1920, 9.3480, 28.8360

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.



89.1640, 32.9140, 31.2660



77.8080, -9.3480, -28.8360



84.8530, -38.4700, 14.3780

Square

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



77.8080, -9.3480, -28.8360



75.1500, -71.0640, -11.6720



91.1420, 3.6170, 28.0730



85.9770, 51.5330, 7.7010

Rectangle

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



77.8080, -9.3480, -28.8360



71.6500, -58.4530, -25.4690



91.1420, 3.6170, 28.0730



86.8740, 45.2940, 27.1660

Sweetspot

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



77.8080, -9.3480, -28.8360



119.6970, -3.9410, -11.1810



85.1160, 22.5600, -12.3840



59.1150, -2.0620, -6.6860



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



77.8080, -9.3480, -28.8360



94.8590, -14.5260, -45.1340



76.2720, -22.2780, -25.7820



46.6470, -0.5040, -1.8800



72.3220, -17.6880, -53.9120



155.2320, -37.3920, -115.3440

Inverse Universe

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



60.1920, 9.3480, 28.8360



67.1410, 14.5260, 45.1340



61.7280, 22.2780, 25.7820



45.3530, 0.5040, 1.8800



39.6780, 17.6880, 53.9120



84.7680, 37.3920, 115.3440

Previews

White Background



This preview shows how the YIQ color 77.8080, -9.3480, -28.8360 looks on a white background.

Color Contrast Check

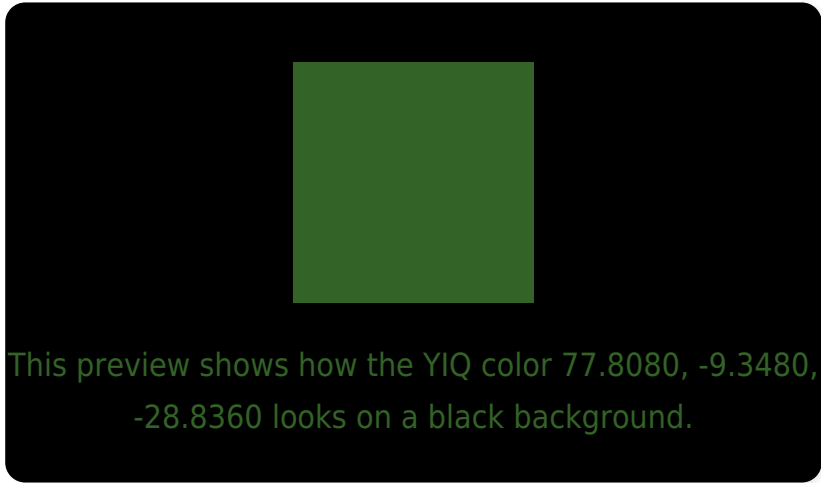
Large Text (above 18pt) WCAG AA ✓ Pass

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

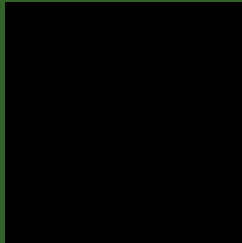
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.8080, -9.3480, -28.8360

Background



This preview shows how black text looks on a background with the YIQ color 77.8080, -9.3480, -28.8360.



This preview shows how white text looks on a background with the YIQ color 77.8080, -9.3480, -28.8360.

-28.8360.

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

77.8080, -9.3480, -28.8360

Protanopia

85.0620, 22.6520, -14.0520

Deuteranopia

86.5020, 27.4650, -7.6630



Tritanopia

84.8280, -20.1270, -4.1830

Trichromacy



Original Color

77.8080, -9.3480, -28.8360

Protanomaly

82.4410, 11.0990, -19.4370

Deuteranomaly

83.0440, 13.8950, -15.0410

Tritanomaly

82.2980, -15.9990, -12.9190

Monochromacy



Original Color

77.8080, -9.3480, -28.8360

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.1100, -3.6660, -10.6580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.8080, -9.3480, -28.8360 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(51, 99, 39)` looks like.

```
.text, #text, p{  
    color:rgb(51, 99, 39)  
}
```

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(51, 99, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 99, 39) }
```

Border

The CSS property to change the border of an element to YIQ 77.8080, -9.3480, -28.8360 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(51, 99, 39) }
```


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

```
.border{ border-color:rgb(51, 99, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 99, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 99, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 99, 39);  
box-shadow:4px 4px 4px 4px rgb(51, 99, 39)  
}
```

Background

The CSS property to change the background color of an element to YIQ 77.8080, -9.3480, -28.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 99, 39) }
```

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

```
.background{ background-color: rgb(51, 99,  
39) }
```

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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