

Converting Colors

YIQ(77.2700, -17.6550, 17.1050)

Have a look what the booklet for
YIQ(77.2700, -17.6550, 17.1050)
contains.

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Color

**YIQ(77.2700, -17.6550,
17.1050)**

Conversions

Conversions Part 1

Format	Color
Hex	47477E
RGB	71, 71, 126
RGB Percent	28%, 28%, 49%
CMY	0.7215, 0.7216, 0.5060
CMYK	0.44, 0.44, 0.00, 0.51
HSL	240°, 28%, 39%
HSV	240°, 44%, 49%
XYZ	8.6165, 7.3520, 20.6939
YIQ	77.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

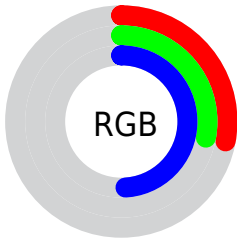
Format	Color
R_{YB}	71, 71, 126
Decimal	4671358
CIE Lab	32.60, 15.15, -31.20
CIE LCh	33, 34.688, 295.897
Yxy	7.3520, 0.2350, 0.2005
Android (android.graphics.Color)	4282861438 (0xFF47477E)
YUV	77.2700, 24.0239, -5.4988
Hunter-Lab	27.1146, 9.2729, -26.2699

Details

The YIQ color $77.2700, -17.6550, 17.1050$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $119.7300, 17.6550, -17.1050$, and the grayscale version is $77.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $126.7370, -17.4720, 19.2960$, and $31.0800, -20.1760, 13.2320$ is the 20% darker color. If you saturate the color by 10%, you get $65.7520, -21.8280, 21.1480$, and if you desaturate by 10%, it is $88.7880, -13.4820, 13.0620$.

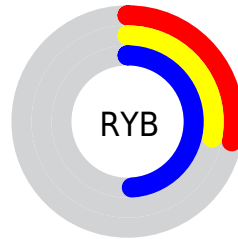
Distribution



Red (28%)

Green (28%)

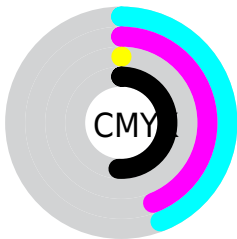
Blue (49%)



Red (28%)

Yellow (28%)

Blue (49%)

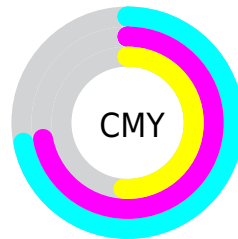


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (51%)



Cyan (72%)

Magenta (72%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.2700, -17.6550, 17.1050 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 77.2700, -17.6550, 17.1050 by changing the saturation by 10% instead.

■ 77.2700, -17.6550,
17.1050

■ 77.2700, -17.6550,
17.1050

■ 255.0000, -0.0000,
-0.0000

■ 54.0310, -18.4800,
15.5360

■ 126.7370,
-17.4720, 19.2960

■ 31.0800, -20.1760,
13.2320

■ 153.2640,
-17.5180, 20.1300

■ 7.2160, -17.5630,
15.4370

■ 179.7910,
-17.5640, 20.9640

■ 4.7080, -10.5010,
8.5950

■ 206.8790,
-14.9960, 18.4760

■ 0.3420, -0.9630,
0.9330

■ 231.9860, -5.4120,
9.9800

■ 0.0000, 0.0000,
0.0000

■ 77.2700, -17.6550,
17.1050

■ 77.2700, -17.6550,
17.1050

■ 65.7520, -21.8280,
21.1480

■ 88.7880, -13.4820,
13.0620

■ 55.1200, -25.6800,
24.8800

■ 99.4200, -9.6300,
9.3300

■ 43.6020, -29.8530,
28.9230

■ 110.9380, -5.4570,
5.2870

■ 32.9700, -33.7050,
32.6550

■ 121.5700, -1.6050,
1.5550

■ 21.4520, -37.8780,
36.6980

■ 133.0880, 2.5680,
-2.4880

■ 14.3640, -40.4460,
39.1860

■ 144.6060, 6.7410,
-6.5310

■ 155.2380, 10.5930,
-10.2630

■ 166.7560, 14.7660,

-14.3060

■ 177.3880, 18.6180,
-18.0380

Harmonies

Analogous

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



62.4810, -64.3260, -1.6220



77.2700, -17.6550, 17.1050



79.2260, 12.0080, 24.6800

Triad

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



77.2700, -17.6550, 17.1050



75.0140, 40.9430, 1.3830



61.0380, -47.8620, -24.6780

Complementary

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



77.2700, -17.6550, 17.1050



119.7300, 17.6550, -17.1050

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.



65.7670, -19.2980, -24.7220



77.2700, -17.6550, 17.1050



73.8950, 30.4920, -12.9640

Square

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



77.2700, -17.6550, 17.1050



75.5280, 42.9120, 15.2640



71.2020, 10.2740, -21.0060



64.2300, -56.8500, -15.9700

Rectangle

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



77.2700, -17.6550, 17.1050



77.9520, 27.4590, 25.4990



71.2020, 10.2740, -21.0060



59.3110, -44.3770, -27.2650

Sweetspot

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



77.2700, -17.6550, 17.1050



144.3940, -6.7410, 6.5310



109.5550, -32.7800, -11.6600



70.4820, -4.1730, 4.0430



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



77.2700, -17.6550, 17.1050



87.6900, -27.2850, 26.4350



85.3430, -1.5630, 22.8290



57.7980, -2.2470, 2.1770



14.5920, -41.0880, 39.8080



0.0000, 0.0000, 0.0000

Inverse Universe

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



93.7150, 15.1250, 28.7650



113.1050, 23.3750, 44.4550



111.3580, 0.9670, -23.0410



59.8910, 1.9250, 3.6610



52.7500, 35.5210, 66.6330



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 77.2700, -17.6550, 17.1050 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 77.2700, -17.6550, 17.1050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

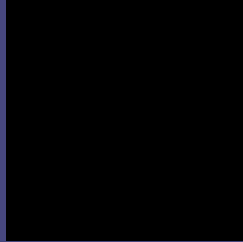
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.2700, -17.6550, 17.1050

Background



This preview shows how black text looks on a background with the YIQ color 77.2700, -17.6550, 17.1050.



This preview shows how white text looks on a background with the YIQ color 77.2700, -17.6550,

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

77.2700, -17.6550, 17.1050

Protanopia

74.6920, -30.7670, 12.4410

Deuteranopia

73.5020, -33.2880, 8.5680



Tritanopia

75.0030, -13.2500, -2.1620

Trichromacy



Original Color

77.2700, -17.6550, 17.1050

Protanomaly

76.0840, -25.9990, 14.1370

Deuteranomaly

75.0190, -27.3740, 11.5220

Tritanomaly

76.1480, -14.8560, 4.9200

Monochromacy



Original Color

77.2700, -17.6550, 17.1050

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.2800, -6.4200, 6.2200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.2700, -17.6550, 17.1050 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(71, 71, 126)` looks like.

```
.text, #text, p{  
    color:rgb(71, 71, 126)  
}
```

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(71, 71, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 71, 126) }
```

Border

The CSS property to change the border of an element to YIQ 77.2700, -17.6550, 17.1050 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(71, 71, 126) }
```


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

```
.border{ border-color:rgb(71, 71, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 71, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 71, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 71, 126);  
box-shadow:4px 4px 4px 4px rgb(71, 71,  
126) }
```

Background

The CSS property to change the background color of an element to YIQ 77.2700, -17.6550, 17.1050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 71, 126) }
```

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

```
.background{ background-color: rgb(71, 71,  
126) }
```

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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