

Converting Colors

YIQ(77.5980, -16.0030, 9.1890)

Have a look what the booklet for
YIQ(77.5980, -16.0030, 9.1890)
contains.

YIQ(77.5980, -16.0030, 9.1890)	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(77.5980, -16.0030,
9.1890)**

Conversions

Conversions Part 1

Format	Color
Hex	444C6F
RGB	68, 76, 111
RGB Percent	27%, 30%, 44%
CMY	0.7333, 0.7019, 0.5648
CMYK	0.39, 0.32, 0.00, 0.56
HSL	229°, 24%, 35%
HSV	229°, 39%, 44%
XYZ	7.8366, 7.5455, 16.0757
YIQ	77.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

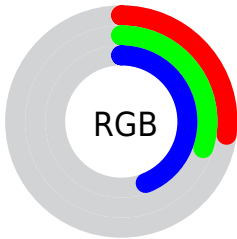
Format	Color
RYB	68, 75, 111
Decimal	4476015
CIELab	33.02, 6.34, -21.19
CIElCh	33, 22.119, 286.647
Yxy	7.5455, 0.2491, 0.2399
Android (android.graphics.Color)	4282666095 (0xFF444C6F)
YUV	77.5980, 16.4672, -8.4174
Hunter-Lab	27.4691, 2.8529, -15.4697

Details

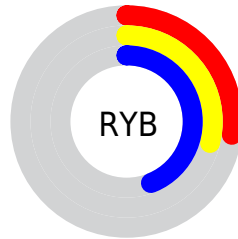
The YIQ color **77.5980, -16.0030, 9.1890** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **101.4020, 16.0030, -9.1890**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **127.2390, -16.3700, 10.3340**, and **32.2450, -16.5070, 7.3090** is the 20% darker color. If you saturate the color by 10%, you get **69.0260, -20.0840, 11.5640**, and if you desaturate by 10%, it is **86.1700, -11.9220, 6.8140**.

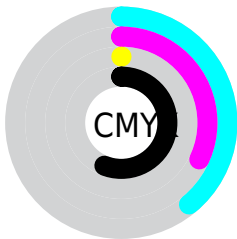
Distribution



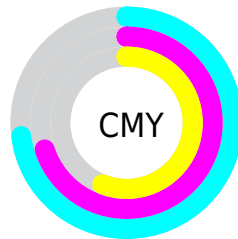
- Red (27%)
- Green (30%)
- Blue (44%)



- Red (27%)
- Yellow (29%)
- Blue (44%)



- Cyan (39%)
- Magenta (32%)
- Yellow (0%)
- Black (56%)



- Cyan (73%)
- Magenta (70%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.5980, -16.0030, 9.1890 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 77.5980, -16.0030, 9.1890 by changing the saturation by 10% instead.

■ 77.5980, -16.0030,
9.1890

■ 77.5980, -16.0030,
9.1890

■ 255.0000, -0.0000,
-0.0000

■ 54.0710, -15.9570,
8.3550

■ 127.2390,
-16.3700, 10.3340

■ 32.2450, -16.5070,
7.3090

■ 153.3530,
-16.6910, 10.6450

■ 9.9570, -15.6360,
8.0440

■ 179.8800,
-16.7370, 11.4790

■ 2.8670, -6.6950,
5.6970

■ 207.5810,
-17.3330, 11.2670

■ 0.0000, 0.0000,
0.0000

■ 233.7140,
-10.6380, 5.5700

■ 77.5980, -16.0030,
9.1890

■ 77.5980, -16.0030,
9.1890

■ 69.0260, -20.0840,
11.5640

■ 86.1700, -11.9220,
6.8140

■ 60.4540, -24.1650,
13.9390

■ 94.7420, -7.8410,
4.4390

■ 51.8820, -28.2460,
16.3140

■ 103.3140, -3.7600,
2.0640

■ 43.3100, -32.3270,
18.6890

■ 111.8860, 0.3210,
-0.3110

■ 34.7380, -36.4080,
21.0640

■ 120.4580, 4.4020,
-2.6860

■ 25.8670, -41.0850,
23.2270

■ 129.3290, 9.0790,
-4.8490

■ 24.9810, -41.4060,
23.5380

■ 137.9010, 13.1600,
-7.2240

■ 146.4730, 17.2410,

-9.5990

■ 155.0450, 21.3220,
-11.9740

Harmonies

Analogous

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



72.1500, -35.5330, -0.3090



77.5980, -16.0030, 9.1890



80.2260, 2.8400, 14.6160

Triad

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



77.5980, -16.0030, 9.1890



77.9510, 28.0590, 3.6030



69.4110, -23.7470, -15.6750

Complementary

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



77.5980, -16.0030, 9.1890



101.4020, 16.0030, -9.1890

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.



73.2900, -4.3530, -14.7290



77.5980, -16.0030, 9.1890



77.1580, 22.7420, -4.6660

Square

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



77.5980, -16.0030, 9.1890



78.9220, 27.0030, 11.7310



75.5970, 10.9600, -11.4080



63.3790, -47.0840, -16.7480

Rectangle

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



77.5980, -16.0030, 9.1890



80.0270, 13.7060, 15.9300



75.5970, 10.9600, -11.4080



71.1190, -17.0530, -15.8450

Sweetspot

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



77.5980, -16.0030, 9.1890



131.6990, -6.2820, 3.7180



97.1170, -22.7390, -11.9150



66.3140, -3.7600, 2.0640



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



77.5980, -16.0030, 9.1890



93.2690, -25.0820, 14.0380



76.7890, -6.0550, 16.1290



51.8580, -2.4760, 0.8200



26.5940, -44.5700, 25.8140



55.1600, -91.9370, 52.7590

Inverse Universe

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



81.7690, 23.0600, 11.6040



99.5150, 35.7590, 18.2470



102.2110, 6.0550, -16.1290



52.0220, 2.9340, 1.8940



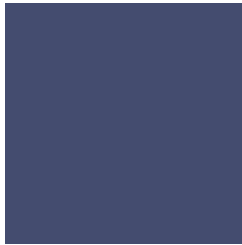
38.3880, 64.4580, 32.2820



79.0970, 132.4460, 66.6700

Previews

White Background



This preview shows how the YIQ color 77.5980, -16.0030, 9.1890 looks on a white background.

Color Contrast Check

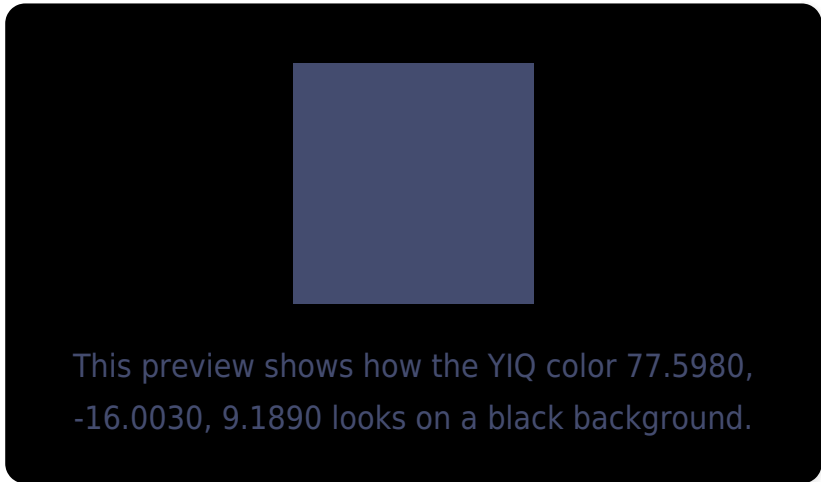
Large Text (above 18pt) WCAG AA ✓ Pass

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

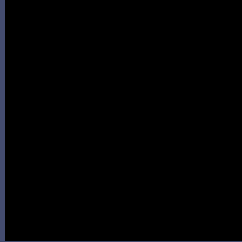
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.5980, -16.0030, 9.1890

Background



This preview shows how black text looks on a background with the YIQ color 77.5980, -16.0030, 9.1890.

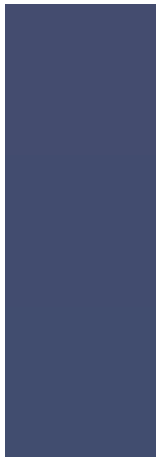


This preview shows how white text looks on a background with the YIQ color 77.5980, -16.0030,

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

77.5980, -16.0030, 9.1890

Protanopia

77.0000, -17.1950, 8.7650

Deuteranopia

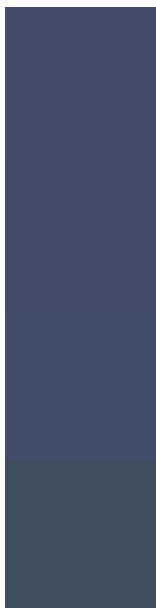
77.2880, -18.0660, 8.0300



Tritanopia

76.0030, -13.2500, -2.1620

Trichromacy



Original Color

77.5980, -16.0030, 9.1890

Protanomaly

77.2990, -16.5990, 8.9770

Deuteranomaly

77.5870, -17.4700, 8.2420

Tritanomaly

76.4530, -14.3970, 2.1070

Monochromacy



Original Color

77.5980, -16.0030, 9.1890

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.5850, -5.9610, 3.4070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.5980, -16.0030, 9.1890 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(68, 76, 111)` looks like.

```
.text, #text, p{  
    color:rgb(68, 76, 111)  
}
```

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(68, 76, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 76, 111) }
```

Border

The CSS property to change the border of an element to YIQ 77.5980, -16.0030, 9.1890 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(68, 76, 111) }
```


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

```
.border{ border-color:rgb(68, 76, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 76, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 76, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 76, 111);  
box-shadow:4px 4px 4px 4px rgb(68, 76,  
111) }
```

Background

The CSS property to change the background color of an element to YIQ 77.5980, -16.0030, 9.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 76, 111) }
```

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

```
.background{ background-color: rgb(68, 76,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor