

# Converting Colors

YIQ(77.2180, -56.5760, -9.9200)

Have a look what the booklet for  
YIQ(77.2180, -56.5760, -9.9200)  
contains.

<b>YIQ(77.2180, -56.5760, -9.9200)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(77.2180, -56.5760,  
-9.9200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	11637B
RGB	17, 99, 123
RGB Percent	7%, 39%, 48%
CMY	0.9335, 0.6116, 0.5179
CMYK	0.86, 0.19, 0.00, 0.52
HSL	194°, 76%, 27%
HSV	194°, 86%, 48%
XYZ	8.2667, 10.4775, 20.3052
YIQ	77.2180, -56.5760, -9.9200

# Conversions

## Conversions Part 2

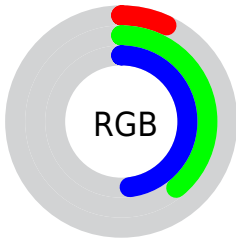
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 63, 123
Decimal	1139579
CIELab	38.69, -14.18, -19.98
CIElCh	39, 24.502, 234.625
Yxy	10.4775, 0.2117, 0.2683
Android (android.graphics.Color)	4279329659 (0xFF11637B)
YUV	77.2180, 22.5705, -52.8112
Hunter-Lab	32.3689, -11.0584, -14.5347

# Details

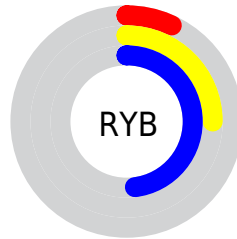
The YIQ color **77.2180, -56.5760, -9.9200** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **62.7820, 56.5760, 9.9200**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **132.6320, -48.8740, -6.3300**, and **38.9600, -38.0540, -4.1820** is the 20% darker color. If you saturate the color by 10%, you get **71.8690, -62.9030, -10.8950**, and if you desaturate by 10%, it is **82.5670, -50.2490, -8.9450**.

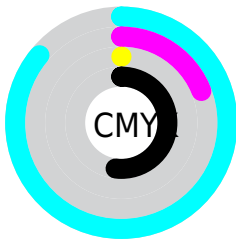
# Distribution



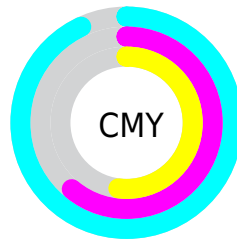
- Red (7%)
- Green (39%)
- Blue (48%)



- Red (7%)
- Yellow (25%)
- Blue (48%)



- Cyan (86%)
- Magenta (19%)
- Yellow (0%)
- Black (52%)



- Cyan (93%)
- Magenta (61%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.2180, -56.5760, -9.9200 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 77.2180, -56.5760, -9.9200 by changing the saturation by 10% instead.



■ 77.2180, -56.5760,  
-9.9200

■ 77.2180, -56.5760,  
-9.9200

■ 255.0000, -0.0000,  
-0.0000

■ 55.1970, -52.0830,  
-8.7470

■ 132.5180,  
-48.5530, -6.6410

■ 38.9600, -38.0540,  
-4.1820

■ 159.9310,  
-48.2780, -6.1180

■ 24.0110, -24.8960,  
-0.3520

■ 187.3440,  
-48.0030, -5.5950

■ 4.7080, -10.5010,  
8.5950

■ 214.8880,  
-46.7190, -6.8390

■ 0.1140, -0.3210,  
0.3110

■ 236.7610,  
-36.3560, -12.9320

■ 0.0000, 0.0000,  
0.0000

■ 245.4320,

-19.0720, -6.7840

254.4020, -1.1920,  
-0.4240

■ 77.2180, -56.5760,  
-9.9200

■ 77.2180, -56.5760,  
-9.9200

■ 71.8690, -62.9030,  
-10.8950

■ 82.5670, -50.2490,  
-8.9450

■ 69.7870, -65.6080,  
-11.4320

■ 88.2150, -43.3260,  
-7.7580

■ 92.9770, -36.7240,  
-6.2600

■ 98.3260, -30.3970,  
-5.2850

■ 103.6750,  
-24.0700, -4.3100

■ 109.3230,  
-17.1470, -3.1230

■ 114.0850,  
-10.5450, -1.6250

■ 119.4340, -4.2180,  
-0.6500

■ 125.0820, 2.7050,  
0.5370

# Harmonies

## Analogous

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



72.6810, -59.7380, -18.6980



77.2180, -56.5760, -9.9200



86.7420, -34.2040, 3.1400

# Triad

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



77.2180, -56.5760, -9.9200



93.4150, 24.2970, 16.7210



87.9340, 8.3930, -14.4470

# Complementary

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



77.2180, -56.5760, -9.9200



62.7820, 56.5760, 9.9200

# 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.



90.0500, 22.9260, -8.0020



77.2180, -56.5760, -9.9200



92.7330, 31.9090, 10.9250

# Square

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



77.2180, -56.5760, -9.9200



93.7430, 8.7540, 17.5700



91.3380, 31.2230, 1.3270



84.8870, -10.5880, -17.3720



# Rectangle

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



77.2180, -56.5760, -9.9200



90.8580, -19.6710, 9.5850



91.3380, 31.2230, 1.3270



88.6250, 13.7570, -12.5390

# Sweetspot

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



77.2180, -56.5760, -9.9200



142.5720, -22.2820, -3.6740



81.8440, -36.5330, -48.2850



70.7040, -13.8460, -2.3740



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.



77.2180, -56.5760, -9.9200



91.1420, -85.7810, -14.7810



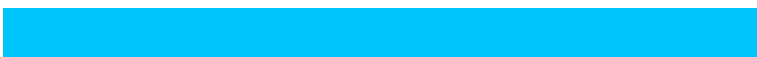
46.6940, -42.2760, 17.2760



58.6190, -3.3010, -0.7490



71.1890, -66.8000, -11.8560



143.7800, -134.7920, -24.1360



# Inverse Universe

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



58.0420, 36.8540, 47.9740



62.2750, 56.1520, 72.6960



93.3060, 42.2760, -17.2760



57.3640, 1.9710, 2.8270



48.4330, 43.3630, 56.6670



97.6920, 87.2760, 114.3800



# Previews

## White Background



This preview shows how the YIQ color 77.2180, -56.5760, -9.9200 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 × Fail



# Black Background



This preview shows how the YIQ color 77.2180, -56.5760, -9.9200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

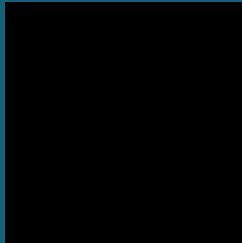
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 77.2180, -56.5760, -9.9200**

## **Background**



This preview shows how black text looks on a background with the YIQ color 77.2180, -56.5760, -9.9200.



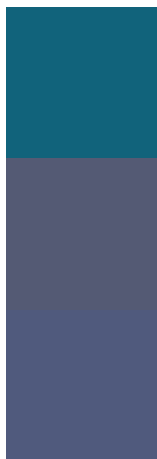
This preview shows how white text looks on a background with the YIQ color 77.2180, -56.5760,

-9.9200.

# 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

77.2180, -56.5760, -9.9200

### Protanopia

91.1700, -11.9220, 6.8140

### Deuteranopia

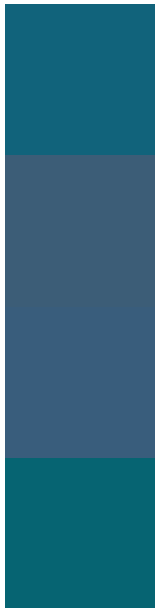
91.0000, -17.1950, 8.7650



## Tritanopia

71.7130, -62.7640, -18.9240

# Trichromacy



## Original Color

77.2180, -56.5760, -9.9200

## Protanomaly

86.0970, -28.0140, 1.0900

## Deuteranomaly

85.7700, -31.4070, 2.0090

## Tritanomaly

73.4900, -60.5180, -15.5740

# Monochromacy



## Original Color

77.2180, -56.5760, -9.9200

## Achromatopsia

77.0000, -0.0000, -0.0000

## Achromatomaly

77.0560, -20.7690, -3.5610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.2180, -56.5760, -9.9200 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(17, 99, 123)` looks like.

```
.text, #text, p{  
    color:rgb(17, 99, 123)  
}
```

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(17, 99, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 99, 123) }
```

## Border

The CSS property to change the border of an element to YIQ 77.2180, -56.5760, -9.9200 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(17, 99, 123) }
```



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

```
.border{ border-color:rgb(17, 99, 123) }
```

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

Here you see how a box with a 4 pixel rgb(17, 99, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 99, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 99, 123);  
box-shadow:4px 4px 4px 4px rgb(17, 99,  
123) }
```

# Background

The CSS property to change the background color of an element to YIQ 77.2180, -56.5760, -9.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 99, 123) }
```

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

```
.background{ background-color: rgb(17, 99,  
123) }
```

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