

# Converting Colors

YIQ(93.1020, -71.1090,  
-16.3650)

Have a look what the booklet for  
YIQ(93.1020, -71.1090, -16.3650)  
contains.

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# Color

**YIQ(93.1020, -71.1090,  
-16.3650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0F7B90
RGB	15, 123, 144
RGB Percent	6%, 48%, 56%
CMY	0.9414, 0.5175, 0.4356
CMYK	0.90, 0.15, 0.00, 0.44
HSL	190°, 81%, 31%
HSV	190°, 90%, 56%
XYZ	12.3128, 16.2895, 28.8503
YIQ	93.1020, -71.1090, -16.3650

# Conversions

## Conversions Part 2

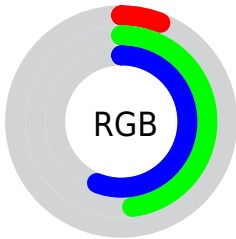
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 74, 144
Decimal	1014672
CIELab	47.35, -20.08, -19.23
CIELCh	47, 27.800, 223.768
Yxy	16.2895, 0.2143, 0.2835
Android (android.graphics.Color)	4279204752 (0xFF0F7B90)
YUV	93.1020, 25.0927, -68.4955
Hunter-Lab	40.3603, -16.1751, -14.1294

# Details

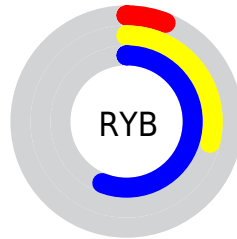
The YIQ color **93.1020, -71.1090, -16.3650** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **65.8980, 71.1090, 16.3650**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.1960, -59.5100, -11.8140**, and **54.1540, -50.5240, -9.4680** is the 20% darker color. If you saturate the color by 10%, you get **87.7420, -78.9030, -18.2870**, and if you desaturate by 10%, it is **98.4620, -63.3150, -14.4430**.

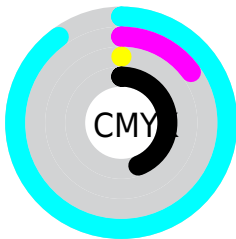
# Distribution



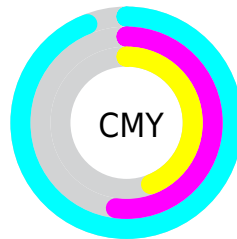
- Red (6%)
- Green (48%)
- Blue (56%)



- Red (6%)
- Yellow (29%)
- Blue (56%)



- Cyan (90%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)



- Cyan (94%)
- Magenta (52%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.1020, -71.1090, -16.3650 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 93.1020, -71.1090, -16.3650 by changing the saturation by 10% instead.



93.1020, -71.1090,  
-16.3650

93.1020, -71.1090,  
-16.3650

255.0000, -0.0000,  
-0.0000

70.9780, -64.8280,  
-14.5560

152.1960,  
-59.5100, -11.8140

54.1540, -50.5240,  
-9.4680

179.9080,  
-58.6390, -11.0790

37.9170, -36.4950,  
-4.9030

208.2070,  
-58.0430, -10.8670

23.5550, -23.6120,  
-1.5960

231.0800,  
-47.6800, -16.9600

3.6650, -8.9420,  
7.8740

239.7510,  
-30.3960, -10.8120

0.0000, 0.0000,  
0.0000

248.7210,

-12.5160, -4.4520

■ 93.1020, -71.1090,  
-16.3650

■ 93.1020, -71.1090,  
-16.3650

■ 87.7420, -78.9030,  
-18.2870

■ 98.4620, -63.3150,  
-14.4430

■ 87.4430, -79.4990,  
-18.4990

■ 104.7080,  
-55.2000, -12.8320

■ 110.0680,  
-47.4060, -10.9100

■ 115.7270,  
-39.0160, -8.7760

■ 121.6740,  
-31.4970, -7.3770

■ 127.0340,  
-23.7030, -5.4550

■ 132.6930,  
-15.3130, -3.3210

■ 138.6400, -7.7940,  
-1.9220

■ 144.0000, -0.0000,  
0.0000

# Harmonies

## Analogous

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



95.4700, -57.7660, -21.3980



93.1020, -71.1090, -16.3650



103.9080, -49.4710, -1.0150

# Triad

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



93.1020, -71.1090, -16.3650



115.5660, 22.5540, 20.7780



109.4250, 17.1960, -14.2920

# Complementary

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



93.1020, -71.1090, -16.3650



65.8980, 71.1090, 16.3650

# 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.



111.5350, 31.8660, -4.8220



93.1020, -71.1090, -16.3650



114.0480, 35.5760, 16.0560

# Square

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



93.1020, -71.1090, -16.3650



115.0890, 1.9680, 19.4080



113.3930, 38.5580, 6.0620



106.5410, -3.8020, -19.2100



# Rectangle

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



93.1020, -71.1090, -16.3650



109.8610, -32.9210, 7.4230



113.3930, 38.5580, 6.0620



110.5290, 22.8350, -11.8610

# Sweetspot

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



93.1020, -71.1090, -16.3650



166.3540, -27.6000, -6.4160



92.8890, -41.5740, -61.5580



82.0950, -16.5050, -3.7450



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



93.1020, -71.1090, -16.3650



112.7760, -102.6060, -23.7420



56.1210, -53.7840, 16.5840



68.3200, -3.8970, -0.9610



81.7210, -74.4100, -17.1140



4.4340, -4.2180, -0.6500



# Inverse Universe

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



65.8830, 42.2160, 60.9360



73.3980, 60.7800, 87.9480



102.8790, 53.7840, -16.5840



66.7770, 2.2460, 3.3500



53.2470, 44.1870, 63.7630



3.0760, 2.8420, 3.5620



# Previews

## White Background



This preview shows how the YIQ color 93.1020, -71.1090, -16.3650 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 93.1020, -71.1090, -16.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

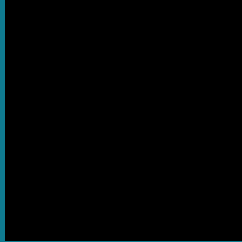
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 93.1020, -71.1090, -16.3650

## Background



This preview shows how black text looks on a background with the YIQ color 93.1020, -71.1090, -16.3650.



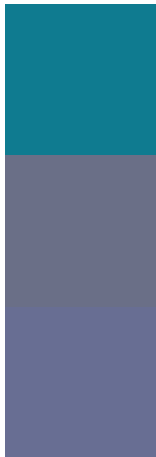
This preview shows how white text looks on a background with the YIQ color 93.1020, -71.1090,



# 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

93.1020, -71.1090, -16.3650

### Protanopia

112.2410, -10.6840, 6.4040

### Deuteranopia

112.4240, -15.4530, 10.2350



## Tritanopia

88.0640, -77.1140, -23.1780

# Trichromacy



## Original Color

93.1020, -71.1090, -16.3650

## Protanomaly

105.0640, -32.4150, -1.7510

## Deuteranomaly

105.6770, -35.5790, 0.5250

## Tritanomaly

90.0150, -75.4180, -20.8740

# Monochromacy



## Original Color

93.1020, -71.1090, -16.3650

## Achromatopsia

93.0000, -0.0000, -0.0000

## Achromatomaly

93.2510, -25.8120, -5.7800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.1020, -71.1090, -16.3650 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(15, 123, 144)` looks like.

```
.text, #text, p{  
    color:rgb(15, 123, 144)  
}
```

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(15, 123, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 123, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 93.1020, -71.1090, -16.3650 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(15, 123, 144) }
```



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

```
.border{ border-color:rgb(15, 123, 144) }
```

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

Here you see how a box with a 4 pixel rgb(15, 123, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 123, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 123, 144);  
box-shadow:4px 4px 4px 4px rgb(15, 123,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.1020, -71.1090, -16.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 123, 144) }
```

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

```
.background{ background-color: rgb(15, 123,  
144) }
```

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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