

# Converting Colors

YIQ(73.9600, -47.2220,  
-14.2460)

Have a look what the booklet for  
YIQ(73.9600, -47.2220, -14.2460)  
contains.

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# Color

**YIQ(73.9600, -47.2220,  
-14.2460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	146066
RGB	20, 96, 102
RGB Percent	8%, 38%, 40%
CMY	0.9217, 0.6234, 0.6002
CMYK	0.80, 0.06, 0.00, 0.60
HSL	184°, 67%, 24%
HSV	184°, 80%, 40%
XYZ	6.8692, 9.4782, 14.0251
YIQ	73.9600, -47.2220, -14.2460

# Conversions

## Conversions Part 2

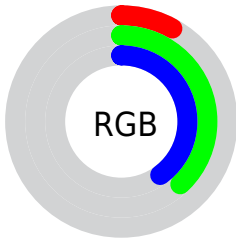
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 59, 102
Decimal	1335398
CIE <sub>Lab</sub>	36.89, -19.70, -9.82
CIE <sub>LCh</sub>	37, 22.011, 206.489
Yxy	9.4782, 0.2262, 0.3121
Android (android.graphics.Color)	4279525478 (0xFF146066)
YUV	73.9600, 13.8237, -47.3229
Hunter-Lab	30.7866, -14.0491, -5.4593

# Details

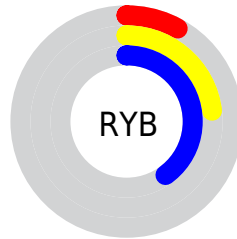
The YIQ color **73.9600, -47.2220, -14.2460** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **48.0400, 47.2220, 14.2460**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **127.3520, -42.4540, -12.5500**, and **35.0330, -31.1300, -8.5220** is the 20% darker color. If you saturate the color by 10%, you get **70.3830, -52.9070, -15.8430**, and if you desaturate by 10%, it is **77.5370, -41.5370, -12.6490**.

# Distribution



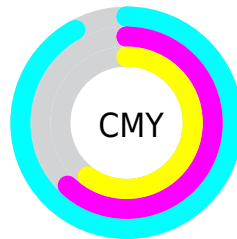
- Red (8%)
- Green (38%)
- Blue (40%)



- Red (8%)
- Yellow (23%)
- Blue (40%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (60%)



- Cyan (92%)
- Magenta (62%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.9600, -47.2220, -14.2460 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 73.9600, -47.2220, -14.2460 by changing the saturation by 10% instead.



73.9600, -47.2220,  
-14.2460

73.9600, -47.2220,  
-14.2460

255.0000, -0.0000,  
-0.0000

51.1560, -44.8380,  
-13.3980

127.3520,  
-42.4540, -12.5500

35.0330, -31.1300,  
-8.5220

154.3520,  
-42.4540, -12.5500

20.8990, -18.8890,  
-4.5930

181.6510,  
-41.8580, -12.3380

1.2540, -3.5310,  
3.4210

209.3520,  
-42.4540, -12.5500

0.0000, 0.0000,  
0.0000

235.2660,  
-39.3360, -13.9920

243.9370,

-22.0520, -7.8440

252.6080, -4.7680,  
-1.6960

73.9600, -47.2220,  
-14.2460

73.9600, -47.2220,  
-14.2460

70.3830, -52.9070,  
-15.8430

77.5370, -41.5370,  
-12.6490

67.3930, -58.8670,  
-17.9630

81.1140, -35.8520,  
-11.0520

84.4030, -29.2960,  
-8.7200

87.9800, -23.6110,  
-7.1230

91.5570, -17.9260,  
-5.5260

■ 94.5470, -11.9660,  
-3.4060

■ 98.1240, -6.2810,  
-1.8090

■ 102.0000, -0.0000,  
-0.0000

■ 105.5770, 5.6850,  
1.5970

# Harmonies

## Analogous

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



77.5890, -30.1200, -15.8160



73.9600, -47.2220, -14.2460



77.3720, -45.2060, -6.7260

# Triad

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



73.9600, -47.2220, -14.2460



89.3900, 8.2500, 15.6900



85.9080, 20.4500, -7.1820

# Complementary

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



73.9600, -47.2220, -14.2460



48.0400, 47.2220, 14.2460

# 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.



87.0710, 27.6010, 0.8890



73.9600, -47.2220, -14.2460



88.6920, 21.9590, 15.0390

# Square

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



73.9600, -47.2220, -14.2460



87.8870, -9.4470, 11.5210



87.8250, 28.6540, 9.3420



83.6180, 6.4670, -12.5810



# Rectangle

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



73.9600, -47.2220, -14.2460



81.5630, -35.2580, 0.2140



87.8250, 28.6540, 9.3420



86.3430, 23.6590, -4.7650

# Sweetspot

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



73.9600, -47.2220, -14.2460



121.6710, -18.2470, -5.2150



68.7040, -24.1550, -41.3310



59.7320, -11.0490, -3.5050



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



73.9600, -47.2220, -14.2460



88.5590, -74.1340, -22.1180



49.8930, -35.9470, 7.1970



49.5050, -2.9800, -1.0600



75.3320, -66.0650, -19.6730



159.6630, -139.5570, -42.4130



# Inverse Universe

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



53.1820, 24.4760, 41.0200



56.1370, 38.6850, 64.3570



71.5200, 36.2220, -6.6740



48.0650, 1.3750, 2.6150



46.4690, 34.5140, 57.3460

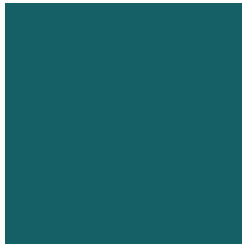


98.0080, 72.0070, 121.2790



# Previews

## White Background



This preview shows how the YIQ color 73.9600, -47.2220, -14.2460 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 73.9600, -47.2220, -14.2460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

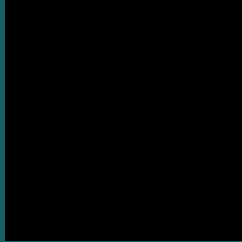
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 73.9600, -47.2220, -14.2460

## Background



This preview shows how black text looks on a background with the YIQ color 73.9600, -47.2220, -14.2460.



This preview shows how white text looks on a background with the YIQ color 73.9600, -47.2220, -14.2460.

-14.2460.

# 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

73.9600, -47.2220, -14.2460

### Protanopia

86.7270, -3.4850, 2.5870

### Deuteranopia

87.4650, -5.5030, 6.1210



## Tritanopia

74.7860, -46.6720, -13.2000

# Trichromacy



## Original Color

73.9600, -47.2220, -14.2460

## Protanomaly

82.2410, -19.8520, -3.6600

## Deuteranomaly

82.5230, -20.5860, -1.3700

## Tritanomaly

74.3730, -46.9470, -13.7230

# Monochromacy



## Original Color

73.9600, -47.2220, -14.2460

## Achromatopsia

74.0000, -0.0000, 0.0000

## Achromatomaly

73.8560, -17.3300, -5.3140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.9600, -47.2220, -14.2460 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(20, 96, 102)` looks like.

```
.text, #text, p{  
    color:rgb(20, 96, 102)  
}
```

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(20, 96, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 96, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 73.9600, -47.2220, -14.2460 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(20, 96, 102) }
```



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

```
.border{ border-color:rgb(20, 96, 102) }
```

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

Here you see how a box with a 4 pixel rgb(20, 96, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 96, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 96, 102);  
box-shadow:4px 4px 4px 4px rgb(20, 96,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 73.9600, -47.2220, -14.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 96, 102) }
```

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

```
.background{ background-color: rgb(20, 96,  
102) }
```

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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