

# Converting Colors

YIQ(59.1940, -46.8600, 12.2440)

Have a look what the booklet for  
YIQ(59.1940, -46.8600, 12.2440)  
contains.

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# Color

**YIQ(59.1940, -46.8600,  
12.2440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	164084
RGB	22, 64, 132
RGB Percent	9%, 25%, 52%
CMY	0.9137, 0.7489, 0.4826
CMYK	0.83, 0.51, 0.00, 0.48
HSL	217°, 71%, 30%
HSV	217°, 83%, 52%
XYZ	6.3256, 5.5035, 22.5368
YIQ	59.1940, -46.8600, 12.2440

# Conversions

## Conversions Part 2

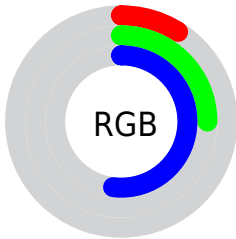
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 52, 132
Decimal	1458308
CIE <sub>Lab</sub>	28.12, 12.44, -42.23
CIE <sub>LCh</sub>	28, 44.024, 286.409
Yxy	5.5035, 0.1841, 0.1601
Android (android.graphics.Color)	4279648388 (0xFF164084)
YUV	59.1940, 35.8934, -32.6191
Hunter-Lab	23.4595, 7.0768, -40.5365

# Details

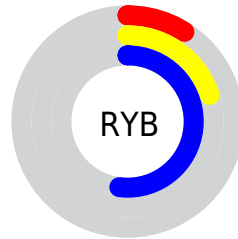
The YIQ color **59.1940, -46.8600, 12.2440** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **94.8060, 46.8600, -12.2440**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **112.0750, -38.9750, 18.0250**, and **22.8490, -32.6470, 13.4730** is the 20% darker color. If you saturate the color by 10%, you get **50.6110, -52.4080, 13.6720**, and if you desaturate by 10%, it is **67.7770, -41.3120, 10.8160**.

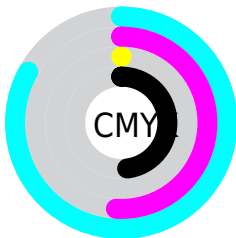
# Distribution



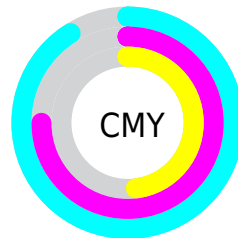
- Red (9%)
- Green (25%)
- Blue (52%)



- Red (9%)
- Yellow (20%)
- Blue (52%)



- Cyan (83%)
- Magenta (51%)
- Yellow (0%)
- Black (48%)



- Cyan (91%)
- Magenta (75%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.1940, -46.8600, 12.2440 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 59.1940, -46.8600, 12.2440 by changing the saturation by 10% instead.



■ 59.1940, -46.8600,  
12.2440

■ 59.1940, -46.8600,  
12.2440

■ 255.0000, -0.0000,  
-0.0000

■ 37.3250, -45.8510,  
10.4770

■ 112.0750,  
-38.9750, 18.0250

■ 22.8490, -32.6470,  
13.4730

■ 138.0150,  
-38.7460, 19.3820

■ 7.7860, -19.1680,  
16.9920

■ 165.4280,  
-38.4710, 19.9050

■ 5.2780, -12.1060,  
10.1500

■ 190.8430,  
-32.5100, 16.4980

■ 1.2540, -3.5310,  
3.4210

■ 215.6510,  
-23.5220, 7.7900

■ 0.0000, 0.0000,  
0.0000

■ 241.3450,

-14.2130, -1.2290

■ 59.1940, -46.8600,  
12.2440

■ 59.1940, -46.8600,  
12.2440

■ 50.6110, -52.4080,  
13.6720

■ 67.7770, -41.3120,  
10.8160

■ 44.3980, -56.1220,  
14.9020

■ 76.3600, -35.7640,  
9.3880

■ 85.2420, -29.6200,  
8.1720

■ 94.4120, -24.3470,  
6.2210

■ 102.9950,  
-18.7990, 4.7930

■ 111.5780,  
-13.2510, 3.3650

■ 120.1610, -7.7030,  
1.9370

■ 129.0430, -1.5590,  
0.7210

■ 137.6260, 3.9890,  
-0.7070

# Harmonies

## Analogous

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



59.1870, -63.3180, 2.1380



59.1940, -46.8600, 12.2440



68.3810, 4.4420, 29.6420

# Triad

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



59.1940, -46.8600, 12.2440



62.4500, 51.5790, 6.8670



52.5460, -37.7290, -26.6010

# Complementary

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



59.1940, -46.8600, 12.2440



94.8060, 46.8600, -12.2440

# 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.



52.3620, -14.0240, -32.2000



59.1940, -46.8600, 12.2440



62.7390, 39.7990, -10.9290

# Square

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



59.1940, -46.8600, 12.2440



60.2830, 51.3920, 26.7840



60.2260, 18.8940, -23.0420



57.2370, -49.5600, -15.9280



# Rectangle

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



59.1940, -46.8600, 12.2440



65.3360, 26.6780, 34.1500



60.2260, 18.8940, -23.0420



51.1780, -33.8770, -30.3330

# Sweetspot

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



59.1940, -46.8600, 12.2440



142.2940, -18.2030, 5.0050



94.3220, -52.0780, -36.3820



69.8340, -11.0960, 2.8560



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



59.1940, -46.8600, 12.2440



57.6490, -72.7660, 19.1860



38.4270, -27.5620, 36.9660



61.8580, -2.4760, 0.8200



44.1700, -55.4800, 14.2800



0.9290, -1.2380, 0.4100



# Inverse Universe

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



59.6780, 52.0780, 36.3820



58.5390, 81.0510, 56.4670



115.5730, 27.5620, -36.9660



62.0220, 2.9340, 1.8940



44.5700, 61.4300, 43.1100



1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 59.1940, -46.8600, 12.2440 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 59.1940, -46.8600, 12.2440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

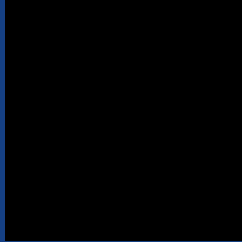
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 59.1940, -46.8600, 12.2440

## Background



This preview shows how black text looks on a background with the YIQ color 59.1940, -46.8600, 12.2440.



This preview shows how white text looks on a background with the YIQ color 59.1940, -46.8600,



# 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

59.1940, -46.8600, 12.2440

### Protanopia

59.1940, -46.8600, 12.2440

### Deuteranopia

53.3680, -56.5780, 1.1340



## Tritanopia

52.4440, -45.7090, -14.1330

# Trichromacy



## Original Color

59.1940, -46.8600, 12.2440

## Protanomaly

59.1940, -46.8600, 12.2440

## Deuteranomaly

55.7430, -53.1400, 4.9080

## Tritanomaly

54.6540, -45.9400, -4.4360

# Monochromacy



## Original Color

59.1940, -46.8600, 12.2440

## Achromatopsia

59.0000, 0.0000, -0.0000

## Achromatomaly

59.3650, -16.9650, 4.5950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.1940, -46.8600, 12.2440 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(22, 64, 132)` looks like.

```
.text, #text, p{  
    color:rgb(22, 64, 132)  
}
```

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(22, 64, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 64, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 59.1940, -46.8600, 12.2440 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(22, 64, 132) }
```



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

```
.border{ border-color:rgb(22, 64, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 64, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 64, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 64, 132);  
box-shadow:4px 4px 4px 4px rgb(22, 64,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 59.1940, -46.8600, 12.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 64, 132) }
```

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

```
.background{ background-color: rgb(22, 64,  
132) }
```

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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