

Converting Colors

YIQ(75.1730, -16.0040, 14.7160)

Have a look what the booklet for
YIQ(75.1730, -16.0040, 14.7160)
contains.

YIQ(75.1730, -16.0040, 14.7160)	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(75.1730, -16.0040,
14.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	454676
RGB	69, 70, 118
RGB Percent	27%, 27%, 46%
CMY	0.7294, 0.7255, 0.5374
CMYK	0.42, 0.41, 0.00, 0.54
HSL	239°, 26%, 37%
HSV	239°, 42%, 46%
XYZ	7.9134, 6.9532, 18.0566
YIQ	75.1730, -16.0040, 14.7160

Conversions

Conversions Part 2

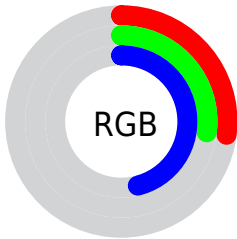
Format	Color
R_{YB}	69, 70, 118
Decimal	4540022
CIE _{Lab}	31.70, 12.72, -27.64
CIE _{LCh}	32, 30.428, 294.721
Yxy	6.9532, 0.2404, 0.2112
Android (android.graphics.Color)	4282730102 (0xFF454676)
YUV	75.1730, 21.1137, -5.4137
Hunter-Lab	26.3690, 7.4226, -22.1414

Details

The YIQ color $75.1730, -16.0040, 14.7160$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $111.8270, 16.0040, -14.7160$, and the grayscale version is $75.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $124.5260, -15.5000, 16.5960$, and $29.6950, -17.6540, 11.5780$ is the 20% darker color. If you saturate the color by 10%, you get $64.5410, -19.8560, 18.4480$, and if you desaturate by 10%, it is $85.8050, -12.1520, 10.9840$.

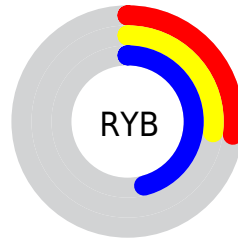
Distribution



Red (27%)

Green (27%)

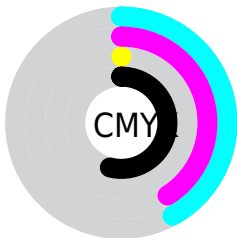
Blue (46%)



Red (27%)

Yellow (27%)

Blue (46%)

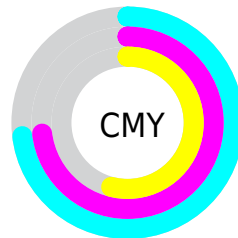


Cyan (42%)

Magenta (41%)

Yellow (0%)

Black (54%)



Cyan (73%)

Magenta (73%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 75.1730, -16.0040, 14.7160 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 75.1730, -16.0040, 14.7160 by changing the saturation by 10% instead.

■ 75.1730, -16.0040,
14.7160

■ 75.1730, -16.0040,
14.7160

■ 255.0000, -0.0000,
-0.0000

■ 52.2330, -16.2330,
13.3590

■ 124.5260,
-15.5000, 16.5960

■ 29.6950, -17.6540,
11.5780

■ 150.7540,
-16.1420, 17.2180

■ 5.3580, -15.0870,
14.6170

■ 177.2810,
-16.1880, 18.0520

■ 3.4370, -8.3000,
7.2520

■ 205.3950,
-16.5090, 18.3630

■ 0.0000, 0.0000,
0.0000

■ 230.2030, -7.5210,
9.6550

254.4130, 0.2750,

0.5230

■ 75.1730, -16.0040,
14.7160

■ 75.1730, -16.0040,
14.7160

■ 64.5410, -19.8560,
18.4480

■ 85.8050, -12.1520,
10.9840

■ 54.4960, -23.9830,
21.6570

■ 95.8500, -8.0250,
7.7750

■ 44.1630, -27.2390,
25.6010

■ 106.1830, -4.7690,
3.8310

■ 34.1180, -31.3660,
28.8100

■ 116.2280, -0.6420,
0.6220

■ 23.4860, -35.2180,
32.5420

■ 126.8600, 3.2100,
-3.1100

■ 14.6260, -38.4280,
35.6520

■ 136.9050, 7.3370,
-6.3190

■ 147.5370, 11.1890,
-10.0510

■ 157.2830, 14.7200,
-13.4720

■ 167.9150, 18.5720,
-17.2040

Harmonies

Analogous

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



61.4880, -57.0360, -1.5800



75.1730, -16.0040, 14.7160



76.7480, 10.3580, 21.5420

Triad

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



75.1730, -16.0040, 14.7160



73.6760, 36.0830, 1.3550



58.3480, -45.7990, -23.5190

Complementary

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



75.1730, -16.0040, 14.7160



111.8270, 16.0040, -14.7160

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.



66.2130, -14.6220, -21.3580



75.1730, -16.0040, 14.7160



72.6220, 27.0070, -10.3770

Square

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



75.1730, -16.0040, 14.7160



74.2500, 37.8230, 13.8790



70.3100, 10.0900, -17.6700



61.1980, -53.8240, -15.7440

Rectangle

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



75.1730, -16.0040, 14.7160



76.3920, 23.1040, 21.8240



70.3100, 10.0900, -17.6700



57.7350, -42.6350, -25.7950

Sweetspot

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



75.1730, -16.0040, 14.7160



137.0520, -5.7780, 5.5980



103.1210, -28.5620, -11.0100



67.2540, -3.5310, 3.4210



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



75.1730, -16.0040, 14.7160



86.2510, -24.6710, 23.1130



81.4630, -2.0210, 20.1150



53.6840, -1.9260, 1.8660



15.0820, -39.7120, 36.8960



31.4350, -81.6250, 75.1350

Inverse Universe

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



83.7650, 28.8830, 10.6990



99.8380, 44.9750, 16.4230



105.5370, 2.0210, -20.1150



54.7940, 3.5760, 1.2720



36.7060, 72.0700, 26.4860



75.3200, 147.3950, 54.5550

Previews

White Background



This preview shows how the YIQ color 75.1730, -16.0040, 14.7160 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 75.1730, -16.0040, 14.7160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

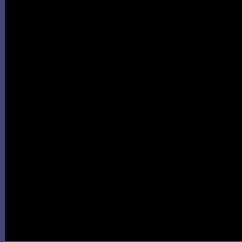
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 75.1730, -16.0040, 14.7160

Background



This preview shows how black text looks on a background with the YIQ color 75.1730, -16.0040, 14.7160.

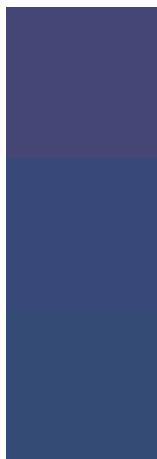


This preview shows how white text looks on a background with the YIQ color 75.1730, -16.0040,

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

75.1730, -16.0040, 14.7160

Protanopia

73.3890, -25.5400, 11.3240

Deuteranopia

72.9110, -27.1900, 8.1860



Tritanopia

72.7150, -12.3790, -1.4270

Trichromacy



Original Color

75.1730, -16.0040, 14.7160

Protanomaly

74.1830, -21.9640, 12.5960

Deuteranomaly

73.5310, -23.0640, 10.5040

Tritanomaly

73.2190, -13.6180, 4.5100

Monochromacy



Original Color

75.1730, -16.0040, 14.7160

Achromatopsia

75.0000, -0.0000, -0.0000

Achromatomaly

75.0520, -5.7780, 5.5980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.1730, -16.0040, 14.7160 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(69, 70, 118)` looks like.

```
.text, #text, p{  
    color:rgb(69, 70, 118)  
}
```

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(69, 70, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 70, 118) }
```

Border

The CSS property to change the border of an element to YIQ 75.1730, -16.0040, 14.7160 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(69, 70, 118) }
```


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

```
.border{ border-color:rgb(69, 70, 118) }
```

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

Here you see how a box with a 4 pixel rgb(69, 70, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 70, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 70, 118);  
box-shadow:4px 4px 4px 4px rgb(69, 70,  
118) }
```

Background

The CSS property to change the background color of an element to YIQ 75.1730, -16.0040, 14.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 70, 118) }
```

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

```
.background{ background-color: rgb(69, 70,  
118) }
```

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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