

Converting Colors

YIQ(90.0230, -16.0020, 3.6620)

Have a look what the booklet for
YIQ(90.0230, -16.0020, 3.6620)
contains.

YIQ(90.0230, -16.0020, 3.6620)	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(90.0230, -16.0020,
3.6620)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5C72
RGB	77, 92, 114
RGB Percent	30%, 36%, 45%
CMY	0.6981, 0.6392, 0.5530
CMYK	0.32, 0.19, 0.00, 0.55
HSL	216°, 19%, 37%
HSV	216°, 32%, 45%
XYZ	9.9239, 10.4474, 17.4070
YIQ	90.0230, -16.0020, 3.6620

Conversions

Conversions Part 2

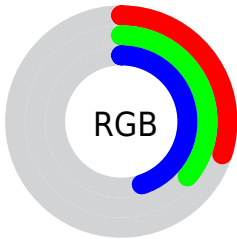
Format	Color
RYB	77, 88, 114
Decimal	5069938
CIELab	38.63, -0.05, -14.35
CIElCh	39, 14.351, 269.810
Yxy	10.4474, 0.2627, 0.2765
Android (android.graphics.Color)	4283260018 (0xFF4D5C72)
YUV	90.0230, 11.8207, -11.4212
Hunter-Lab	32.3224, -1.7596, -9.3044

Details

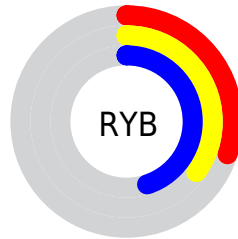
The YIQ color **90.0230, -16.0020, 3.6620** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **100.9770, 16.0020, -3.6620**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.2510, -16.6440, 4.2840**, and **43.7950, -15.3600, 3.0400** is the 20% darker color. If you saturate the color by 10%, you get **82.6250, -20.6330, 4.9910**, and if you desaturate by 10%, it is **97.4210, -11.3710, 2.3330**.

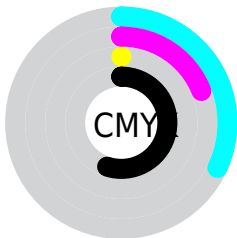
Distribution



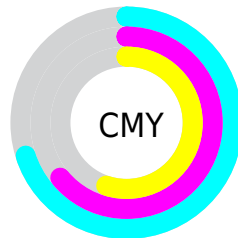
- Red (30%)
- Green (36%)
- Blue (45%)



- Red (30%)
- Yellow (35%)
- Blue (45%)



- Cyan (32%)
- Magenta (19%)
- Yellow (0%)
- Black (55%)



- Cyan (70%)
- Magenta (64%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 90.0230, -16.0020, 3.6620 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 90.0230, -16.0020, 3.6620 by changing the saturation by 10% instead.

■ 90.0230, -16.0020,
3.6620

■ 90.0230, -16.0020,
3.6620

■ 255.0000, -0.0000,
-0.0000

■ 66.4960, -15.9560,
2.8280

■ 140.2510,
-16.6440, 4.2840

■ 43.7950, -15.3600,
3.0400

■ 166.9520,
-17.2400, 4.0720

■ 22.6700, -16.5060,
1.7820

■ 194.0660,
-17.5610, 4.3830

■ 3.3230, -7.9790,
6.9410

■ 222.1800,
-17.8820, 4.6940

■ 0.0000, 0.0000,
0.0000

■ 247.5580,
-10.4990, -2.4590

■ 90.0230, -16.0020,
3.6620

■ 90.0230, -16.0020,
3.6620

■ 82.6250, -20.6330,
4.9910

■ 97.4210, -11.3710,
2.3330

■ 74.9280, -25.8600,
6.1080

■ 105.1180, -6.1440,
1.2160

■ 68.1170, -30.7660,
6.9140

■ 111.9290, -1.2380,
0.4100

■ 60.4200, -35.9930,
8.0310

■ 119.6260, 3.9890,
-0.7070

■ 53.0220, -40.6240,
9.3600

■ 127.0240, 8.6200,
-2.0360

■ 45.6240, -45.2550,
10.6890

■ 134.4220, 13.2510,
-3.3650

■ 39.9980, -49.2440,
11.3960

■ 141.5320, 18.7530,
-3.9590

■ 148.9300, 23.3840,

-5.2880

■ 156.6270, 28.6110,
-6.4050

Harmonies

Analogous

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



87.2560, -24.2080, -1.8080



90.0230, -16.0020, 3.6620



92.1170, -4.4030, 8.2130

Triad

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



90.0230, -16.0020, 3.6620



92.2260, 20.0350, 5.8510



87.4840, -7.6550, -9.9510

Complementary

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



90.0230, -16.0020, 3.6620



100.9770, 16.0020, -3.6620

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.



89.2850, 3.2110, -8.6370



90.0230, -16.0020, 3.6620



91.4660, 19.1190, 0.4230

Square

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



90.0230, -16.0020, 3.6620



93.1810, 15.9080, 9.0600



90.4820, 13.0220, -4.7220



86.6230, -18.2920, -9.9080

Rectangle

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



90.0230, -16.0020, 3.6620



92.4770, 3.3910, 10.1350



90.4820, 13.0220, -4.7220



88.3380, -4.3080, -10.0360

Sweetspot

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



90.0230, -16.0020, 3.6620



138.2320, -6.4650, 1.5270



101.2270, -17.2370, -12.5090



68.3740, -3.9890, 0.7070



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



90.0230, -16.0020, 3.6620



110.7000, -25.2180, 5.4860



82.1150, -10.0890, 12.1430



52.4450, -2.7510, 0.2970



42.4430, -51.9950, 11.6930



86.8580, -106.7870, 24.5170

Inverse Universe

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



89.7730, 17.2370, 12.5090



110.0780, 26.8640, 19.7600



108.8850, 10.0890, -12.1430



52.1360, 2.6130, 2.2050



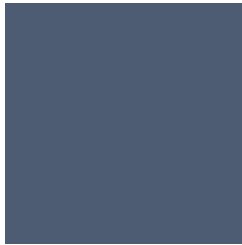
41.4660, 55.7910, 40.6790



85.2530, 115.1120, 83.4640

Previews

White Background



This preview shows how the YIQ color 90.0230, -16.0020, 3.6620 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 90.0230, -16.0020, 3.6620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

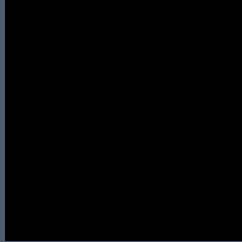
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

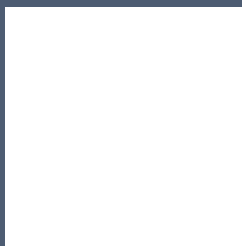
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 90.0230, -16.0020, 3.6620

Background



This preview shows how black text looks on a background with the YIQ color 90.0230, -16.0020, 3.6620.

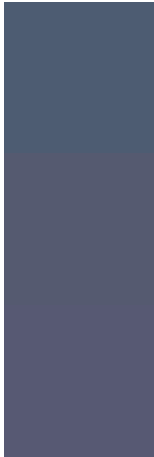


This preview shows how white text looks on a background with the YIQ color 90.0230, -16.0020,

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

90.0230, -16.0020, 3.6620

Protanopia

91.0130, -10.0420, 5.7820

Deuteranopia

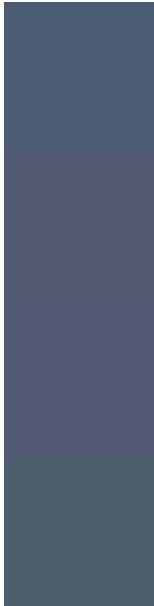
91.3660, -9.5380, 7.6620



Tritanopia

88.9320, -14.4880, -1.7520

Trichromacy



Original Color

90.0230, -16.0020, 3.6620

Protanomaly

90.8170, -12.4260, 4.9340

Deuteranomaly

90.7570, -12.1970, 6.2910

Tritanomaly

89.1000, -14.9010, 0.2270

Monochromacy



Original Color

90.0230, -16.0020, 3.6620

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

90.1180, -6.1440, 1.2160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.0230, -16.0020, 3.6620 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(77, 92, 114)` looks like.

```
.text, #text, p{  
    color:rgb(77, 92, 114)  
}
```

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(77, 92, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 92, 114) }
```

Border

The CSS property to change the border of an element to YIQ 90.0230, -16.0020, 3.6620 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(77, 92, 114) }
```


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

```
.border{ border-color:rgb(77, 92, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 92, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 92, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 92, 114);  
box-shadow:4px 4px 4px 4px rgb(77, 92,  
114) }
```

Background

The CSS property to change the background color of an element to YIQ 90.0230, -16.0020, 3.6620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 92, 114) }
```

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

```
.background{ background-color: rgb(77, 92,  
114) }
```

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