

Converting Colors

YIQ(64.7240, -16.5980, 3.4500)

Have a look what the booklet for
YIQ(64.7240, -16.5980, 3.4500)
contains.

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Color

**YIQ(64.7240, -16.5980,
3.4500)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 334359 |
| RGB | 51, 67, 89 |
| RGB Percent | 20%, 26%, 35% |
| CMY | 0.8000, 0.7372, 0.6511 |
| CMYK | 0.43, 0.25, 0.00, 0.65 |
| HSL | 215°, 27%, 27% |
| HSV | 215°, 43%, 35% |
| XYZ | 5.1748, 5.4397, 10.2238 |
| YIQ | 64.7240, -16.5980, 3.4500 |

Conversions

Conversions Part 2

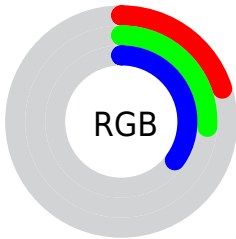
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 51, 62, 89 |
| Decimal | 3359577 |
| CIE Lab | 27.95, 0.06, -15.12 |
| CIE LCh | 28, 15.124, 270.209 |
| Yxy | 5.4397, 0.2483, 0.2610 |
| Android (android.graphics.Color) | 4281549657 (0xFF334359) |
| YUV | 64.7240, 11.9681, -12.0359 |
| Hunter-Lab | 23.3231, -1.2111, -9.6638 |

Details

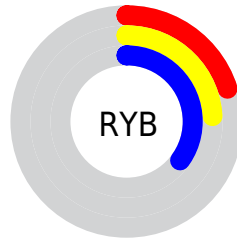
The YIQ color **64.7240, -16.5980, 3.4500** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **75.2760, 16.5980, -3.4500**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **112.9520, -17.2400, 4.0720**, and **20.4850, -17.4230, 1.8810** is the 20% darker color. If you saturate the color by 10%, you get **59.0980, -20.5870, 4.1570**, and if you desaturate by 10%, it is **70.3500, -12.6090, 2.7430**.

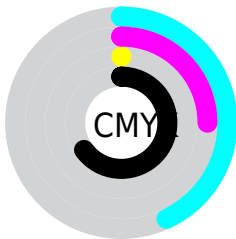
Distribution



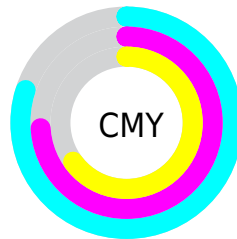
- Red (20%)
- Green (26%)
- Blue (35%)



- Red (20%)
- Yellow (24%)
- Blue (35%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (65%)



- Cyan (80%)
- Magenta (74%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 64.7240, -16.5980, 3.4500 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 64.7240, -16.5980, 3.4500 by changing the saturation by 10% instead.

■ 64.7240, -16.5980,
3.4500

■ 64.7240, -16.5980,
3.4500

■ 255.0000, -0.0000,
-0.0000

■ 42.3110, -16.8730,
2.9270

■ 112.9520,
-17.2400, 4.0720

■ 20.4850, -17.4230,
1.8810

■ 138.0660,
-17.5610, 4.3830

■ 3.2090, -7.6580,
6.6300

■ 165.1800,
-17.8820, 4.6940

■ 0.0000, 0.0000,
0.0000

■ 192.1800,
-17.8820, 4.6940

■ 219.9950,
-18.7990, 4.7930

■ 245.7860,

-11.1410, -1.8370

■ 64.7240, -16.5980,
3.4500

■ 64.7240, -16.5980,
3.4500

■ 59.0980, -20.5870,
4.1570

■ 70.3500, -12.6090,
2.7430

■ 53.4720, -24.5760,
4.8640

■ 75.9760, -8.6200,
2.0360

■ 47.8460, -28.5650,
5.5710

■ 81.6020, -4.6310,
1.3290

■ 41.6330, -32.2790,
6.8010

■ 87.8150, -0.9170,
0.0990

■ 36.3060, -35.6720,
7.7200

■ 93.1420, 2.4760,
-0.8200

■ 32.4520, -39.0190,
7.8050

■ 98.7680, 6.4650,
-1.5270

■ 104.3940, 10.4540,
-2.2340

■ 110.0200, 14.4430,
-2.9410

■ 115.6460, 18.4320,
-3.6480

Harmonies

Analogous

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



61.3590, -25.9960, -2.4440



64.7240, -16.5980, 3.4500



67.1170, -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.



64.7240, -16.5980, 3.4500



66.9270, 19.4390, 5.6390



62.1850, -8.2510, -10.1630

Complementary

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



64.7240, -16.5980, 3.4500



75.2760, 16.5980, -3.4500

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.



64.2850, 3.2110, -8.6370



64.7240, -16.5980, 3.4500



66.1670, 18.5230, 0.2110

Square

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



64.7240, -16.5980, 3.4500



67.2950, 15.5870, 9.3710



65.1830, 12.4260, -4.9340



60.5520, -19.5300, -9.4980

Rectangle

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



64.7240, -16.5980, 3.4500



67.4770, 3.3910, 10.1350



65.1830, 12.4260, -4.9340



63.3380, -4.3080, -10.0360

Sweetspot

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



64.7240, -16.5980, 3.4500



105.2320, -6.4650, 1.5270



75.8140, -17.5120, -13.0320



52.4880, -4.3100, 1.0180



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



64.7240, -16.5980, 3.4500



77.4010, -25.8140, 5.2740



56.2290, -10.4100, 12.4540



40.6300, -1.8340, 0.1980



38.6130, -46.7220, 9.7420



84.9030, -102.6600, 21.3080

Inverse Universe

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



64.1860, 17.5120, 13.0320



76.4910, 27.1390, 20.2830



83.7710, 10.4100, -12.4540



40.4240, 1.7420, 1.4700



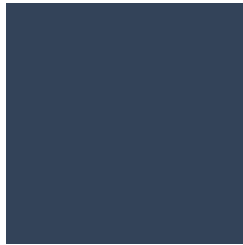
37.1230, 49.3270, 36.6790



81.5510, 108.2810, 80.6090

Previews

White Background



This preview shows how the YIQ color 64.7240, -16.5980, 3.4500 looks on a white background.

Color Contrast Check

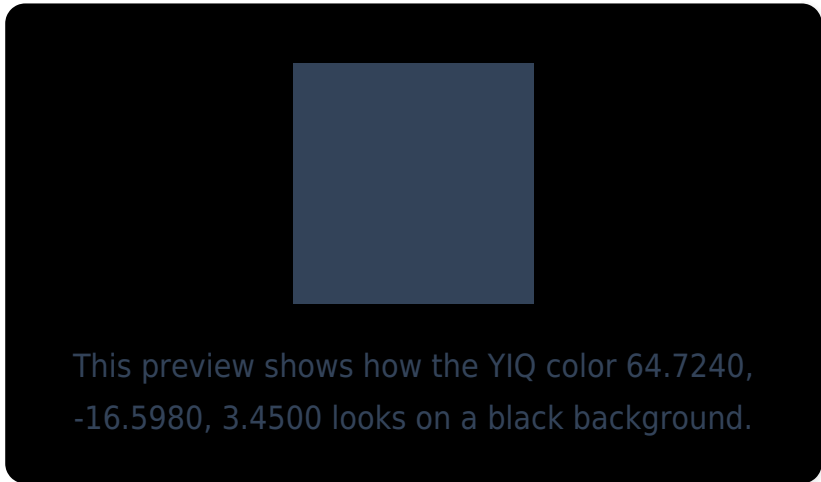
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

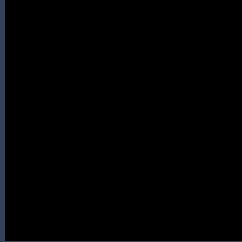
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

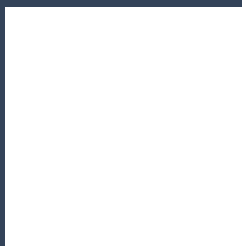
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 64.7240, -16.5980, 3.4500

Background



This preview shows how black text looks on a background with the YIQ color 64.7240, -16.5980, 3.4500.

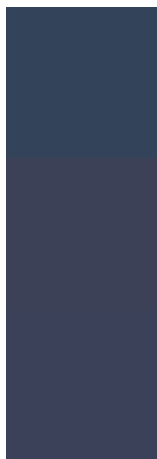


This preview shows how white text looks on a background with the YIQ color 64.7240, -16.5980,

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

64.7240, -16.5980, 3.4500

Protanopia

66.0130, -10.0420, 5.7820

Deuteranopia

65.9420, -11.2800, 6.1920



Tritanopia

63.6930, -15.3130, -3.3210

Trichromacy



Original Color

64.7240, -16.5980, 3.4500

Protanomaly

65.8170, -12.4260, 4.9340

Deuteranomaly

65.6320, -13.3430, 5.0330

Tritanomaly

63.9750, -16.0470, -1.0310

Monochromacy



Original Color

64.7240, -16.5980, 3.4500

Achromatopsia

65.0000, -0.0000, -0.0000

Achromatomaly

65.1180, -6.1440, 1.2160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 64.7240, -16.5980, 3.4500 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(51, 67, 89)` looks like.

```
.text, #text, p{  
    color:rgb(51, 67, 89)  
}
```

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(51, 67, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 67, 89) }
```

Border

The CSS property to change the border of an element to YIQ 64.7240, -16.5980, 3.4500 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(51, 67, 89) }
```


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

```
.border{ border-color:rgb(51, 67, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 67, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 67, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 67, 89);  
box-shadow:4px 4px 4px 4px rgb(51, 67, 89)  
}
```

Background

The CSS property to change the background color of an element to YIQ 64.7240, -16.5980, 3.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 67, 89) }
```

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

```
.background{ background-color: rgb(51, 67,  
89) }
```

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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