

Converting Colors

YIQ(49.9340, -35.1650, -6.9810)

Have a look what the booklet for
YIQ(49.9340, -35.1650, -6.9810)
contains.

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Color

**YIQ(49.9340, -35.1650,
-6.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	0C404D
RGB	12, 64, 77
RGB Percent	5%, 25%, 30%
CMY	0.9530, 0.7489, 0.6982
CMYK	0.84, 0.17, 0.00, 0.70
HSL	192°, 73%, 17%
HSV	192°, 84%, 30%
XYZ	3.3240, 4.2825, 7.6655
YIQ	49.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

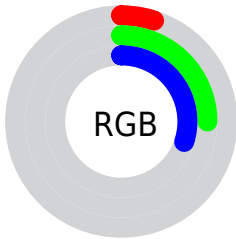
Format	Color
RYB	12, 41, 77
Decimal	802893
CIELab	24.58, -11.42, -12.61
CIELCh	25, 17.014, 227.833
Yxy	4.2825, 0.2177, 0.2804
Android (android.graphics.Color)	4278992973 (0xFF0C404D)
YUV	49.9340, 13.3435, -33.2681
Hunter-Lab	20.6942, -7.5429, -7.4762

Details

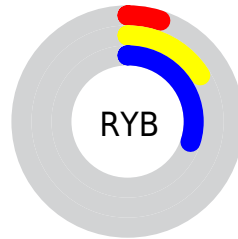
The YIQ color **49.9340, -35.1650, -6.9810** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **39.0660, 35.1650, 6.9810**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.1410, -31.3140, -5.1860**, and **16.6760, -16.6430, -1.2430** is the 20% darker color. If you saturate the color by 10%, you get **46.3680, -39.3830, -7.6310**, and if you desaturate by 10%, it is **53.5000, -30.9470, -6.3310**.

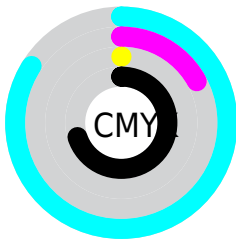
Distribution



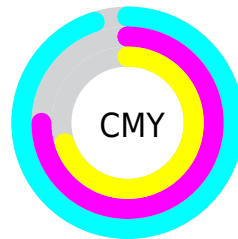
- Red (5%)
- Green (25%)
- Blue (30%)



- Red (5%)
- Yellow (16%)
- Blue (30%)



- Cyan (84%)
- Magenta (17%)
- Yellow (0%)
- Black (70%)



- Cyan (95%)
- Magenta (75%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9340, -35.1650, -6.9810 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 49.9340, -35.1650, -6.9810 by changing the saturation by 10% instead.

■ 49.9340, -35.1650,
-6.9810

■ 49.9340, -35.1650,
-6.9810

■ 255.0000, -0.0000,
-0.0000

■ 30.8100, -28.8840,
-5.1720

■ 100.1410,
-31.3140, -5.1860

■ 16.6760, -16.6430,
-1.2430

■ 125.2550,
-31.6350, -4.8750

■ 0.9120, -2.5680,
2.4880

■ 151.9560,
-32.2310, -5.0870


■ 0.0000, 0.0000,
0.0000


■ 178.9560,
-32.2310, -5.0870


■ 206.6570,
-32.8270, -5.2990


■ 233.8590,


-30.5800, -7.4760


 247.2260,
-15.4960, -5.5120


 49.9340, -35.1650,
-6.9810


 49.9340, -35.1650,
-6.9810


 46.3680, -39.3830,
-7.6310


 53.5000, -30.9470,
-6.3310

 45.1720, -41.7670,
-8.4790

 56.1800, -27.0500,
-5.3700

 59.7460, -22.8320,
-4.7200

 62.7250, -18.3390,
-3.5470

 65.9920, -14.7170,
-3.1090

■ 68.9710, -10.2240,
-1.9360

■ 72.5370, -6.0060,
-1.2860

■ 75.5160, -1.5130,
-0.1130

■ 78.7830, 2.1090,
0.3250

Harmonies

Analogous

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



49.5660, -31.3130, -10.7130



49.9340, -35.1650, -6.9810



54.5380, -24.9420, 0.4820

Triad

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



49.9340, -35.1650, -6.9810



59.9790, 13.6610, 11.2370



56.7370, 7.7500, -8.2980

Complementary

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



49.9340, -35.1650, -6.9810



39.0660, 35.1650, 6.9810

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.



58.1620, 16.9190, -3.7610



49.9340, -35.1650, -6.9810



59.6930, 20.2180, 8.0420

Square

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



49.9340, -35.1650, -6.9810



59.8190, 2.4280, 11.0680



59.0040, 20.5400, 2.2040



55.1100, -3.6660, -10.6580

Rectangle

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



49.9340, -35.1650, -6.9810



57.3760, -15.4980, 5.5420



59.0040, 20.5400, 2.2040



57.5310, 11.3260, -7.0260

Sweetspot

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



49.9340, -35.1650, -6.9810



88.8890, -12.9290, -2.4730



51.5230, -21.7270, -30.2630



44.7540, -8.1150, -1.6110



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



49.9340, -35.1650, -6.9810



58.2460, -53.7790, -11.0510



31.7370, -26.6400, 9.2320



36.2170, -2.1090, -0.3250



59.7620, -55.2920, -11.1640



134.2280, -124.4300, -24.7020

Inverse Universe

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



37.3630, 22.0480, 29.9520



38.7210, 33.3240, 45.8680



57.2630, 26.6400, -9.2320



35.5380, 1.4210, 1.7810



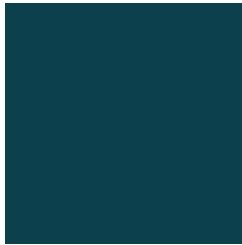
39.8460, 34.4700, 47.1260



89.7460, 78.0160, 105.9840

Previews

White Background



This preview shows how the YIQ color 49.9340, -35.1650, -6.9810 looks on a white background.

Color Contrast Check

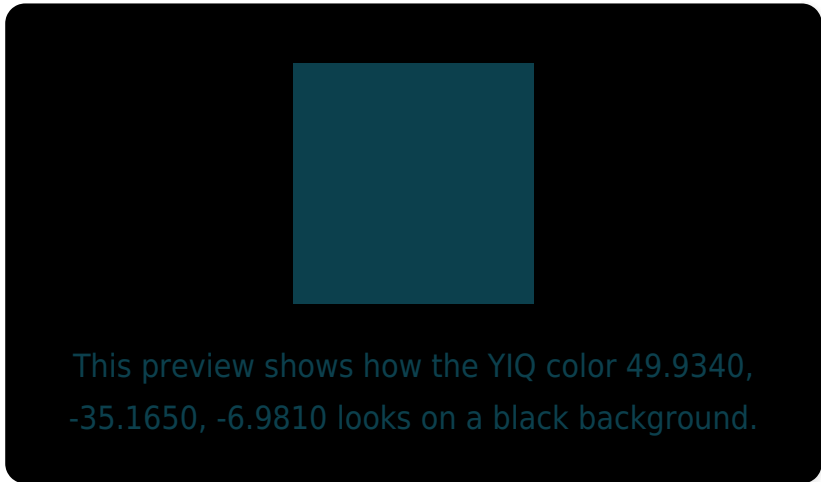
Large Text (above 18pt) WCAG AA ✓ Pass

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

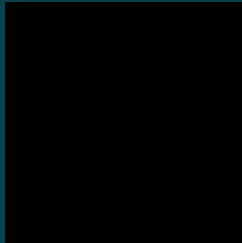
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9340, -35.1650, -6.9810

Background



This preview shows how black text looks on a background with the YIQ color 49.9340, -35.1650, -6.9810.



This preview shows how white text looks on a background with the YIQ color 49.9340, -35.1650,

-6.9810.

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

49.9340, -35.1650, -6.9810

Protanopia

58.8130, -6.6030, 4.0290

Deuteranopia

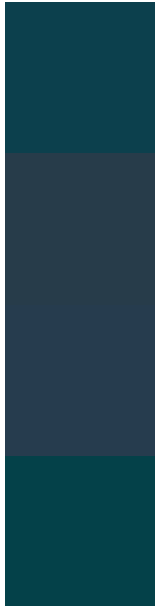
58.7850, -9.4000, 5.1600



Tritanopia

46.1350, -40.3450, -12.2250

Trichromacy



Original Color

49.9340, -35.1650, -6.9810

Protanomaly

55.3170, -17.0100, -0.0980

Deuteranomaly

55.4740, -18.8900, 0.9340

Tritanomaly

47.6730, -38.9240, -10.4440

Monochromacy



Original Color

49.9340, -35.1650, -6.9810

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8890, -12.9290, -2.4730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9340, -35.1650, -6.9810 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(12, 64, 77)` looks like.

```
.text, #text, p{  
    color:rgb(12, 64, 77)  
}
```

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(12, 64, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 64, 77) }
```

Border

The CSS property to change the border of an element to YIQ 49.9340, -35.1650, -6.9810 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(12, 64, 77) }
```


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

```
.border{ border-color:rgb(12, 64, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 64, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 64, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 64, 77);  
box-shadow:4px 4px 4px 4px rgb(12, 64, 77)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.9340, -35.1650, -6.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 64, 77) }
```

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

```
.background{ background-color: rgb(12, 64,  
77) }
```

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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