

Converting Colors

YIQ(42.2350, 6.6480, 0.6640)

Have a look what the booklet for
YIQ(42.2350, 6.6480, 0.6640)
contains.

YIQ(42.2350, 6.6480, 0.6640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

YIQ(42.2350, 6.6480, 0.6640)

Conversions

Conversions Part 1

Format	Color
Hex	312824
RGB	49, 40, 36
RGB Percent	19%, 16%, 14%
CMY	0.8078, 0.8431, 0.8588
CMYK	0.00, 0.18, 0.27, 0.81
HSL	18°, 15%, 17%
HSV	18°, 27%, 19%
XYZ	2.3441, 2.2978, 1.9896
YIQ	42.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

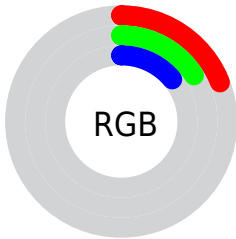
Format	Color
RYB	49, 42, 36
Decimal	3221540
CIELab	16.98, 3.39, 4.18
CIELCh	17, 5.383, 50.957
Yxy	2.2978, 0.3535, 0.3465
Android (android.graphics.Color)	4281411620 (0xFF312824)
YUV	42.2350, -3.0739, 5.9329
Hunter-Lab	15.1586, 1.0750, 2.8289

Details

The YIQ color **42.2350, 6.6480, 0.6640** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **42.7650, -6.6480, -0.6640**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.4200, 7.5650, 0.5650**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.9040, 9.0780, 0.6780**, and if you desaturate by 10%, it is **44.5660, 4.2180, 0.6500**.

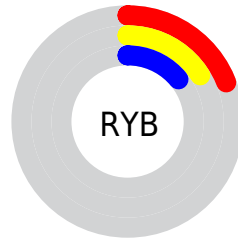
Distribution



Red (19%)

Green (16%)

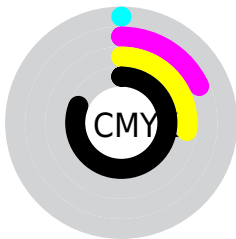
Blue (14%)



Red (19%)

Yellow (16%)

Blue (14%)

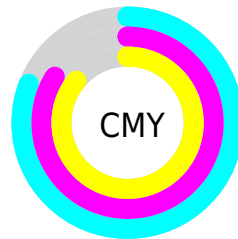


Cyan (0%)

Magenta (18%)

Yellow (27%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.2350, 6.6480, 0.6640 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 42.2350, 6.6480, 0.6640 by changing the saturation by 10% instead.

■ 42.2350, 6.6480,
0.6640

■ 42.2350, 6.6480,
0.6640

■ 255.0000, -0.0000,
-0.0000

■ 21.8220, 6.3730,
0.1410

■ 87.4200, 7.5650,
0.5650

■ 0.0000, 0.0000,
0.0000

■ 111.8330, 7.8400,
1.0880


■ 137.7190, 8.1610,
0.7770


■ 164.0180, 8.7570,
0.9890


■ 190.9040, 9.0780,
0.6780


■ 218.3170, 9.3530,


1.2010


 246.6050, 8.4820,
0.4660


 42.2350, 6.6480,
0.6640


 42.2350, 6.6480,
0.6640


 39.9040, 9.0780,
0.6780


 44.5660, 4.2180,
0.6500


 36.9860, 11.7830,
1.2150


 47.4840, 1.5130,
0.1130


 34.6550, 14.2130,
1.2290

 49.8150, -0.9170,
0.0990

 31.7370, 16.9180,
1.7660

 52.7330, -3.6220,
-0.4380

 29.5200, 19.0270,
2.0910

 55.0640, -6.0520,
-0.4520

■ 27.1890, 21.4570,
2.1050

■ 57.2810, -8.1610,
-0.7770

■ 24.2710, 24.1620,
2.6420

■ 60.1990, -10.8660,
-1.3140

■ 23.4560, 25.0790,
2.5430

■ 62.5300, -13.2960,
-1.3280

■ 65.4480, -16.0010,
-1.8650

Harmonies

Analogous

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



42.2890, 6.5560, 2.3320



42.2350, 6.6480, 0.6640



41.6970, 5.2270, -1.1170

Triad

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



42.2350, 6.6480, 0.6640



40.5540, -4.6760, -3.3640



41.9120, -2.5680, 2.4880

Complementary

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



42.2350, 6.6480, 0.6640



42.7650, -6.6480, -0.6640

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.



41.5910, -6.0980, 0.3820



42.2350, 6.6480, 0.6640



40.4120, -7.1520, -2.5440

Square

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



42.2350, 6.6480, 0.6640



40.8210, -1.0540, -2.9260



41.1670, -7.8400, -1.0880



42.5920, 1.3290, 3.4490

Rectangle

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



42.2350, 6.6480, 0.6640



41.3870, 3.1640, -2.2760



41.1670, -7.8400, -1.0880



41.9010, -4.0350, 1.5410

Sweetspot

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



42.2350, 6.6480, 0.6640



61.0820, 2.7050, 0.5370



40.9130, 4.8590, 5.5550



31.4840, 1.5130, 0.1130



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



42.2350, 6.6480, 0.6640



53.3880, 10.5910, 0.7910



45.7570, 4.9980, -2.4740



24.4840, 1.5130, 0.1130



42.4600, 45.6190, 4.7470



104.2120, 110.9070, 10.9630

Inverse Universe

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



42.7650, -6.6480, -0.6640



53.6120, -10.5910, -0.7910



39.2430, -4.9980, 2.4740



24.5160, -1.5130, -0.1130



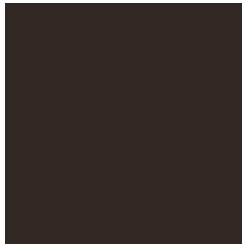
46.5400, -45.6190, -4.7470



112.7880, -110.9070, -10.9630

Previews

White Background



This preview shows how the YIQ color 42.2350, 6.6480, 0.6640 looks on a white background.

Color Contrast Check

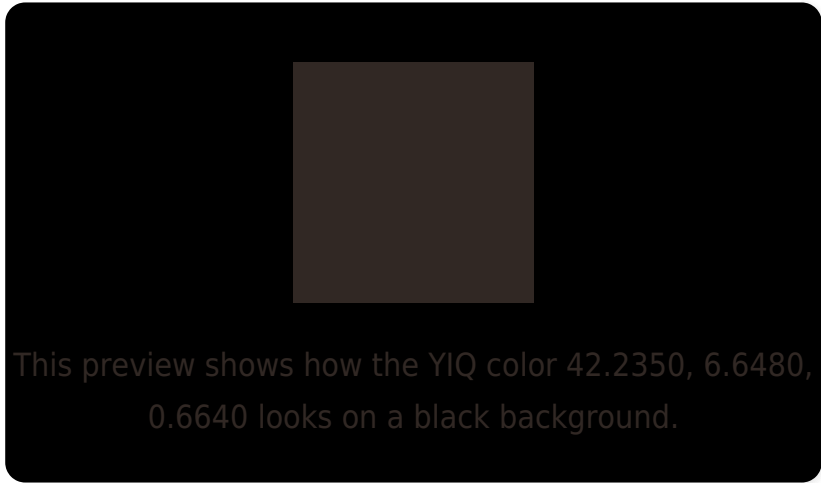
Large Text (above 18pt) WCAG AA ✓ Pass

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

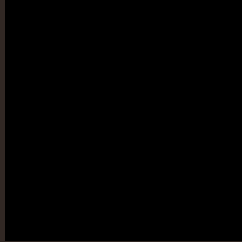
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.2350, 6.6480, 0.6640

Background



This preview shows how black text looks on a background with the YIQ color 42.2350, 6.6480, 0.6640.



This preview shows how white text looks on a background with the YIQ color 42.2350, 6.6480, 0.6640.

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

42.2350, 6.6480, 0.6640

Protanopia

42.0280, 2.7970, -1.1310

Deuteranopia

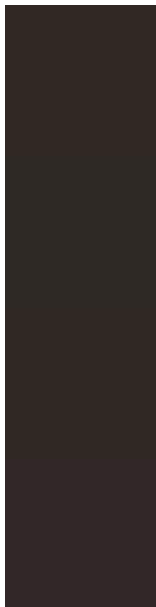
41.9360, 6.0520, 0.4520



Tritanopia

42.6310, 5.5930, 3.2650

Trichromacy



Original Color

42.2350, 6.6480, 0.6640

Protanomaly

42.0390, 4.2640, -0.1840

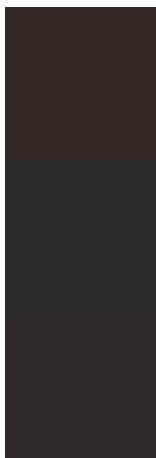
Deuteranomaly

41.9360, 6.0520, 0.4520

Tritanomaly

42.4030, 6.2350, 2.6430

Monochromacy



Original Color

42.2350, 6.6480, 0.6640

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.0820, 2.7050, 0.5370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.2350, 6.6480, 0.6640 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(49, 40, 36)` looks like.

```
.text, #text, p{  
    color:rgb(49, 40, 36)  
}
```

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(49, 40, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 40, 36) }
```

Border

The CSS property to change the border of an element to YIQ 42.2350, 6.6480, 0.6640 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(49, 40, 36) }
```

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

```
.border{ border-color:rgb(49, 40, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 40, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 40, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 40, 36);  
box-shadow:4px 4px 4px 4px rgb(49, 40, 36)  
}
```


Background

The CSS property to change the background color of an element to YIQ 42.2350, 6.6480, 0.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 40, 36) }
```

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

```
.background{ background-color: rgb(49, 40,  
36) }
```

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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