

Converting Colors

YIQ(35.9610, 40.4350, 21.6110)

Have a look what the booklet for
YIQ(35.9610, 40.4350, 21.6110)
contains.

YIQ(35.9610, 40.4350, 21.6110)	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(35.9610, 40.4350,
21.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	580B1C
RGB	88, 11, 28
RGB Percent	35%, 4%, 11%
CMY	0.6547, 0.9570, 0.8900
CMYK	0.00, 0.88, 0.68, 0.65
HSL	347°, 78%, 19%
HSV	347°, 88%, 35%
XYZ	4.3585, 2.3997, 1.3344
YIQ	35.9610, 40.4350, 21.6110

Conversions

Conversions Part 2

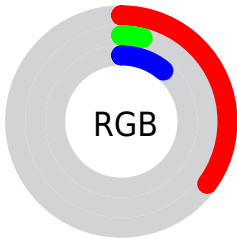
Format	Color
RYB	88, 11, 28
Decimal	5770012
CIELab	17.46, 34.75, 11.58
CIELCh	17, 36.624, 18.426
Yxy	2.3997, 0.5386, 0.2965
Android (android.graphics.Color)	4283960092 (0xFF580B1C)
YUV	35.9610, -3.9248, 45.6382
Hunter-Lab	15.4911, 23.1128, 5.7364

Details

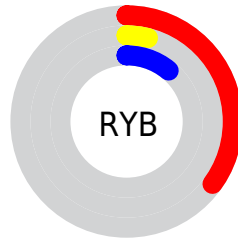
The YIQ color **35.9610, 40.4350, 21.6110** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **63.0390, -40.4350, -21.6110**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **87.8320, 45.1120, 19.4480**, and **11.1770, 21.7310, 8.1550** is the 20% darker color. If you saturate the color by 10%, you get **29.8800, 45.1570, 24.1410**, and if you desaturate by 10%, it is **42.0420, 35.7130, 19.0810**.

Distribution



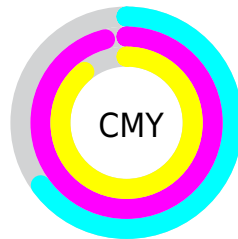
- Red (35%)
- Green (4%)
- Blue (11%)



- Red (35%)
- Yellow (4%)
- Blue (11%)



- Cyan (0%)
- Magenta (88%)
- Yellow (68%)
- Black (65%)





- Cyan (65%)
- Magenta (96%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 35.9610, 40.4350, 21.6110 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 35.9610, 40.4350, 21.6110 by changing the saturation by 10% instead.


 35.9610, 40.4350,
21.6110


 35.9610, 40.4350,
21.6110

 252.6520, 1.1000,
2.0920


 18.6520, 36.6310,
13.4550


 87.8320, 45.1120,
19.4480


 11.1770, 21.7310,
8.1550

 113.6150, 47.2210,
19.7730

 0.0000, 0.0000,
0.0000


 139.6970, 49.9260,
20.3100


 166.5940, 51.7140,
20.9460


 193.2950, 51.1180,
20.7340


 212.8090, 34.7510,


14.4870


 232.4370, 18.0630,
8.5510


 35.9610, 40.4350,
21.6110


 35.9610, 40.4350,
21.6110


 29.8800, 45.1570,
24.1410


 42.0420, 35.7130,
19.0810

 28.4780, 46.3490,
24.5650

 48.1230, 30.9910,
16.5510

 53.6170, 26.5440,
14.5440

 59.5840, 22.1430,
11.7030

 65.6650, 17.4210,
9.1730

■ 71.7460, 12.6990,
6.6430

■ 77.8270, 7.9770,
4.1130

■ 83.3210, 3.5300,
2.1060

■ 89.4020, -1.1920,
-0.4240

Harmonies

Analogous

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



38.3160, 29.4300, 28.3260



35.9610, 40.4350, 21.6110



38.5950, 40.8050, 3.8850

Triad

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



35.9610, 40.4350, 21.6110



30.2360, -13.4290, -26.4610



39.5930, -43.9700, 3.9180

Complementary

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



35.9610, 40.4350, 21.6110



63.0390, -40.4350, -21.6110

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.



40.4590, -40.8970, -2.2170



35.9610, 40.4350, 21.6110



35.2320, -24.8010, -18.6010

Square

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



35.9610, 40.4350, 21.6110



38.6630, 10.5940, -15.7900



38.4240, -33.7890, -9.8930



36.7730, -35.4890, 9.9110

Rectangle

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



35.9610, 40.4350, 21.6110



40.5890, 31.7740, -3.1540



38.4240, -33.7890, -9.8930



40.4250, -43.5570, 1.9390

Sweetspot

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



35.9610, 40.4350, 21.6110



94.7680, 15.6330, 8.5370



37.4190, 10.4470, 36.4550



46.1370, 10.0400, 5.2720



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.



35.9610, 40.4350, 21.6110



37.2350, 60.5150, 32.1550



46.3500, 40.1170, 5.3410



40.3100, 2.0630, 1.1590



34.7290, 56.0680, 30.1480



76.1930, 123.3680, 65.9920

Inverse Universe

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



35.9610, 40.4350, 21.6110



37.2350, 60.5150, 32.1550



52.6500, -40.1170, -5.3410



40.3100, 2.0630, 1.1590



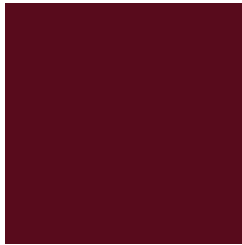
34.7290, 56.0680, 30.1480



76.1930, 123.3680, 65.9920

Previews

White Background



This preview shows how the YIQ color 35.9610, 40.4350, 21.6110 looks on a white background.

Color Contrast Check

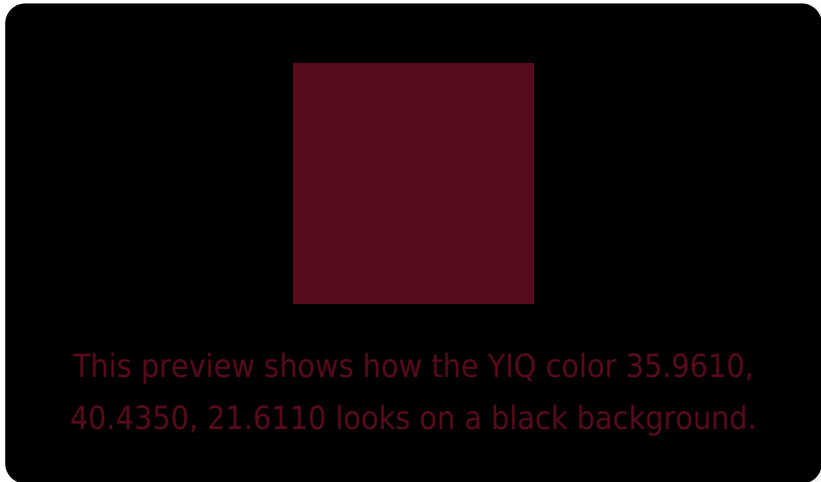
Large Text (above 18pt) WCAG AA ✓ Pass

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

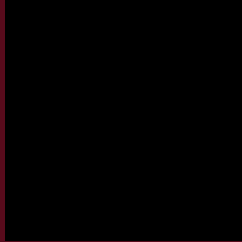
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 35.9610, 40.4350, 21.6110

Background



This preview shows how black text looks on a background with the YIQ color 35.9610, 40.4350, 21.6110.



This preview shows how white text looks on a background with the YIQ color 35.9610, 40.4350,

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

35.9610, 40.4350, 21.6110

Protanopia

45.3270, 3.3930, -0.9190

Deuteranopia

44.7210, 13.8470, -3.1530



Tritanopia

36.7130, 43.8290, 15.1650

Trichromacy



Original Color

35.9610, 40.4350, 21.6110

Protanomaly

42.3120, 16.9170, 7.2930

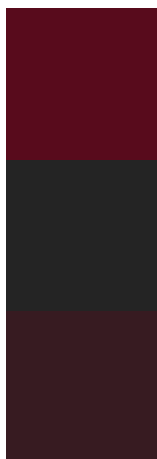
Deuteranomaly

41.3790, 23.9780, 5.9780

Tritanomaly

36.6960, 42.4990, 17.2430

Monochromacy



Original Color

35.9610, 40.4350, 21.6110

Achromatopsia

36.0000, -0.0000, 0.0000

Achromatomaly

36.0560, 14.7620, 7.8020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 35.9610, 40.4350, 21.6110 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(88, 11, 28)` looks like.

```
.text, #text, p{  
    color:rgb(88, 11, 28)  
}
```

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(88, 11, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 11, 28) }
```

Border

The CSS property to change the border of an element to YIQ 35.9610, 40.4350, 21.6110 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(88, 11, 28) }
```


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

```
.border{ border-color:rgb(88, 11, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 11, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 11, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 11, 28);  
box-shadow:4px 4px 4px 4px rgb(88, 11, 28)  
}
```

Background

The CSS property to change the background color of an element to YIQ 35.9610, 40.4350, 21.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 11, 28) }
```

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

```
.background{ background-color: rgb(88, 11,  
28) }
```

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