

Converting Colors

YIQ(89.3930, -40.5310, 2.1650)

Have a look what the booklet for
YIQ(89.3930, -40.5310, 2.1650)
contains.

YIQ(89.3930, -40.5310, 2.1650)	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(89.3930, -40.5310,
2.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	34638A
RGB	52, 99, 138
RGB Percent	20%, 39%, 54%
CMY	0.7961, 0.6117, 0.4590
CMYK	0.62, 0.28, 0.00, 0.46
HSL	207°, 45%, 37%
HSV	207°, 62%, 54%
XYZ	10.4627, 11.4905, 25.6927
YIQ	89.3930, -40.5310, 2.1650

Conversions

Conversions Part 2

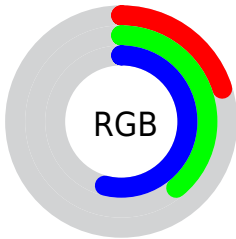
Format	Color
R_{YB}	52, 82, 138
Decimal	3433354
CIE _{Lab}	40.39, -3.45, -26.36
CIE _{LCh}	40, 26.582, 262.539
Yxy	11.4905, 0.2196, 0.2412
Android (android.graphics.Color)	4281623434 (0xFF34638A)
YUV	89.3930, 23.9633, -32.7937
Hunter-Lab	33.8976, -4.2259, -21.2105




Details

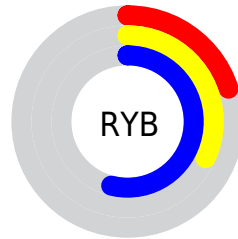
The YIQ color **89.3930, -40.5310, 2.1650** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **100.6070, 40.5310, -2.1650**, and the grayscale version is **89.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **141.6320, -39.7060, 3.7340**, and **41.1430, -42.8230, -0.3510** is the 20% darker color. If you saturate the color by 10%, you get **81.6850, -47.2250, 2.3350**, and if you desaturate by 10%, it is **97.1010, -33.8370, 1.9950**.

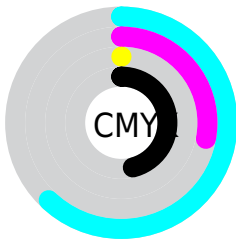
Distribution







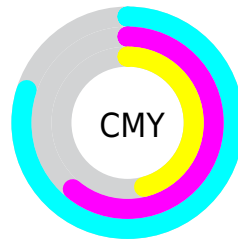
-  Red (20%)
-  Green (39%)
-  Blue (54%)






-  Red (20%)
-  Yellow (32%)
-  Blue (54%)



-  Cyan (62%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (46%)



-  Cyan (80%)
-  Magenta (61%)
-  Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.3930, -40.5310, 2.1650 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 89.3930, -40.5310, 2.1650 by changing the saturation by 10% instead.

■ 89.3930, -40.5310,
2.1650

■ 89.3930, -40.5310,
2.1650

■ 255.0000, -0.0000,
-0.0000

■ 62.7730, -44.6570,
-0.1530

■ 141.6320,
-39.7060, 3.7340

■ 41.1430, -42.8230,
-0.3510

■ 168.4580,
-39.1560, 4.7800

■ 26.0800, -29.3440,
3.1680

■ 196.1590,
-39.7520, 4.5680

■ 8.3100, -15.1320,
9.9240

■ 221.7650,
-33.0110, -1.9630

■ 2.8670, -6.6950,
5.6970

■ 243.9370,
-22.0520, -7.8440

■ 0.0000, 0.0000,
0.0000

■ 252.6080, -4.7680,

-1.6960

■ 89.3930, -40.5310,
2.1650

■ 89.3930, -40.5310,
2.1650

■ 81.6850, -47.2250,
2.3350

■ 97.1010, -33.8370,
1.9950

■ 73.9770, -53.9190,
2.5050

■ 105.3960,
-27.4180, 1.3020

■ 65.9810, -59.7420,
3.4100

■ 112.8050,
-21.3200, 0.9200

■ 59.7570, -64.9230,
3.6930

■ 120.5130,
-14.6260, 0.7500

■ 128.2210, -7.9320,
0.5800

■ 136.5160, -1.5130,
-0.1130

■ 144.2240, 5.1810,
-0.2830

■ 151.6330, 11.2790,
-0.6650

■ 159.3410, 17.9730,
-0.8350

Harmonies

Analogous

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



75.7540, -70.0090, -14.2730



89.3930, -40.5310, 2.1650



96.3040, -14.9950, 12.9490

Triad

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



89.3930, -40.5310, 2.1650



96.4560, 34.2470, 12.6070



88.8330, -10.4960, -19.0400

Complementary

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



89.3930, -40.5310, 2.1650



100.6070, 40.5310, -2.1650

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.



92.0760, 10.8690, -15.2670



89.3930, -40.5310, 2.1650



95.2460, 34.4780, 2.9100

Square

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



89.3930, -40.5310, 2.1650



97.7680, 24.8010, 18.6010



94.0180, 25.9520, -7.7760



83.4310, -35.6670, -19.9150

Rectangle

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



89.3930, -40.5310, 2.1650



97.5510, 0.5470, 17.6270



94.0180, 25.9520, -7.7760



89.6660, -2.6560, -17.9520

Sweetspot

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



89.3930, -40.5310, 2.1650



159.4420, -15.8640, 1.1600



106.9280, -36.1690, -32.8490



77.7370, -9.4450, 0.4670



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



89.3930, -40.5310, 2.1650



103.1270, -63.0890, 3.4950



64.1520, -28.7060, 24.6540



65.1460, -3.3470, 0.0850



58.0130, -62.7680, 3.1840



2.3310, -2.4300, -0.0140

Inverse Universe

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



83.0720, 36.1690, 32.8490



93.3880, 56.4310, 51.1110



125.8480, 28.7060, -24.6540



64.5490, 2.8880, 2.7280



48.0890, 55.8350, 50.8990



1.8370, 2.0170, 1.9930

Previews

White Background



This preview shows how the YIQ color 89.3930, -40.5310, 2.1650 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 89.3930, -40.5310, 2.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

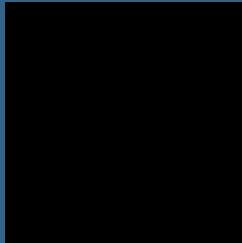
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.3930, -40.5310, 2.1650

Background



This preview shows how black text looks on a background with the YIQ color 89.3930, -40.5310, 2.1650.

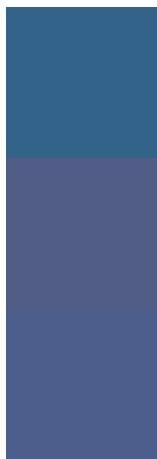


This preview shows how white text looks on a background with the YIQ color 89.3930, -40.5310,

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

89.3930, -40.5310, 2.1650

Protanopia

94.2710, -19.3960, 10.1080

Deuteranopia

93.7480, -25.1730, 10.1790



Tritanopia

85.4770, -41.3080, -11.2920

Trichromacy



Original Color

89.3930, -40.5310, 2.1650

Protanomaly

92.3840, -27.1440, 7.3520

Deuteranomaly

92.2310, -31.0870, 7.2250

Tritanomaly

86.8240, -40.6670, -6.3870

Monochromacy



Original Color

89.3930, -40.5310, 2.1650

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.5130, -14.6260, 0.7500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.3930, -40.5310, 2.1650 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(52, 99, 138)` looks like.

```
.text, #text, p{  
    color:rgb(52, 99, 138)  
}
```

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(52, 99, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 99, 138) }
```

Border

The CSS property to change the border of an element to YIQ 89.3930, -40.5310, 2.1650 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(52, 99, 138) }
```


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

```
.border{ border-color:rgb(52, 99, 138) }
```

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

Here you see how a box with a 4 pixel rgb(52, 99, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 99, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 99, 138);  
box-shadow:4px 4px 4px 4px rgb(52, 99,  
138) }
```

Background

The CSS property to change the background color of an element to YIQ 89.3930, -40.5310, 2.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 99, 138) }
```

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

```
.background{ background-color: rgb(52, 99,  
138) }
```

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