

Converting Colors

YIQ(112.3390, -40.4390, 0.4970)

Have a look what the booklet for
YIQ(112.3390, -40.4390, 0.4970)
contains.

YIQ(112.3390, -40.4390, 0.4970)	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(112.3390, -40.4390,
0.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7B9E
RGB	74, 123, 158
RGB Percent	29%, 48%, 62%
CMY	0.7099, 0.5176, 0.3806
CMYK	0.53, 0.22, 0.00, 0.38
HSL	205°, 36%, 45%
HSV	205°, 53%, 62%
XYZ	16.0751, 18.0929, 34.9712
YIQ	112.3390, -40.4390, 0.4970

Conversions

Conversions Part 2

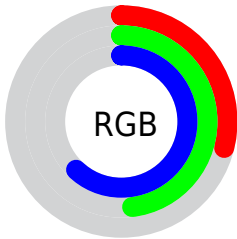
Format	Color
R_{YB}	74, 105, 158
Decimal	4881310
CIE _{Lab}	49.61, -6.29, -23.85
CIE _{LCh}	50, 24.663, 255.231
Yxy	18.0929, 0.2325, 0.2617
Android (android.graphics.Color)	4283071390 (0xFF4A7B9E)
YUV	112.3390, 22.5109, -33.6233
Hunter-Lab	42.5358, -6.9788, -18.9708

Details

The YIQ color **112.3390, -40.4390, 0.4970** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **119.6610, 40.4390, -0.4970**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.2790, -40.2100, 1.8540**, and **58.8110, -47.8200, -3.4040** is the 20% darker color. If you saturate the color by 10%, you get **103.4460, -48.0500, 0.7660**, and if you desaturate by 10%, it is **121.2320, -32.8280, 0.2280**.

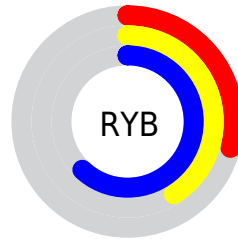
Distribution



Red (29%)

Green (48%)

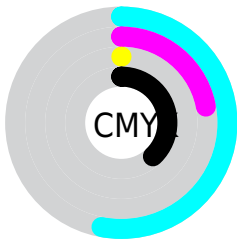
Blue (62%)



Red (29%)

Yellow (41%)

Blue (62%)

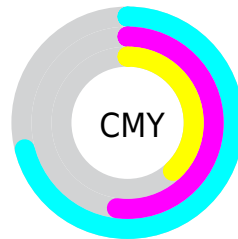


Cyan (53%)

Magenta (22%)

Yellow (0%)

Black (38%)



Cyan (71%)

Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.3390, -40.4390, 0.4970 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 112.3390, -40.4390, 0.4970 by changing the saturation by 10% instead.

■ 112.3390,
-40.4390, 0.4970

■ 112.3390,
-40.4390, 0.4970

■ 255.0000, -0.0000,
-0.0000

■ 86.3280, -41.9060,
-0.4500

■ 165.2790,
-40.2100, 1.8540

■ 58.8110, -47.8200,
-3.4040

■ 193.2790,
-40.2100, 1.8540

■ 39.8720, -40.6220,
-1.6940

■ 219.6830,
-35.7160, -2.5000

■ 24.9230, -27.4640,
2.1360

■ 242.1430,
-25.6280, -9.1160

■ 5.3920, -12.4270,
10.4610

■ 250.8140, -8.3440,
-2.9680

■ 2.1830, -4.7690,
3.8310

■ 0.0000, 0.0000,

0.0000

■ 112.3390,
-40.4390, 0.4970

■ 112.3390,
-40.4390, 0.4970

■ 103.4460,
-48.0500, 0.7660

■ 121.2320,
-32.8280, 0.2280

■ 95.1400, -55.9360,
0.5120

■ 129.5380,
-24.9420, 0.4820

■ 86.5460, -62.9510,
0.9930

■ 138.1320,
-17.9270, 0.0010

■ 78.2400, -70.8370,
0.7390

■ 146.4380,
-10.0410, 0.2550

■ 72.0160, -76.0180,
1.0220

■ 155.3310, -2.4300,
-0.0140

■ 163.6370, 5.4560,
0.2400

■ 172.5300, 13.0670,
-0.0290

■ 181.1240, 20.0820,
-0.5100

■ 189.4300, 27.9680,
-0.2560

Harmonies

Analogous

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



106.8440, -52.5870, -10.6270



112.3390, -40.4390, 0.4970



117.7980, -19.4420, 10.9420

Triad

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



112.3390, -40.4390, 0.4970



120.0260, 32.6420, 14.1620



112.7090, -4.2150, -17.2310

Complementary

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



112.3390, -40.4390, 0.4970



119.6610, 40.4390, -0.4970

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.



115.6960, 14.9950, -12.9490



112.3390, -40.4390, 0.4970



118.7130, 34.6610, 5.1010

Square

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



112.3390, -40.4390, 0.4970



120.9140, 21.4540, 18.6860



117.6810, 28.5190, -4.7370



109.7480, -26.3140, -18.7140

Rectangle

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



112.3390, -40.4390, 0.4970



120.1590, -4.2210, 15.9310



117.6810, 28.5190, -4.7370



113.9440, 2.4330, -16.5670

Sweetspot

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



112.3390, -40.4390, 0.4970



188.9150, -15.8180, 0.3260



127.1840, -34.0140, -33.3580



93.7370, -9.4450, 0.4670



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



112.3390, -40.4390, 0.4970



134.9480, -64.1430, 0.5690



88.2720, -29.1640, 21.9400



74.8470, -3.9430, -0.1270



65.0230, -68.7280, 1.0640



6.9930, -7.2900, -0.0420

Inverse Universe

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



104.7020, 34.3350, 33.0470



122.6590, 54.2300, 52.4540



143.7280, 29.1640, -21.9400



73.9620, 3.1630, 3.2510



52.2190, 58.5850, 56.1290



5.5110, 6.0510, 5.9790

Previews

White Background



This preview shows how the YIQ color 112.3390, -40.4390, 0.4970 looks on a white background.

Color Contrast Check

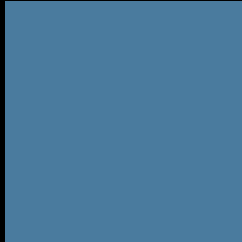
Large Text (above 18pt) WCAG AA ✓ Pass

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 112.3390, -40.4390, 0.4970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

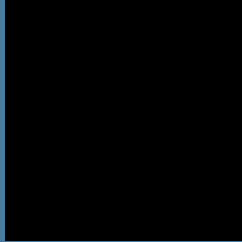
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 112.3390, -40.4390, 0.4970

Background



This preview shows how black text looks on a background with the YIQ color 112.3390, -40.4390, 0.4970.

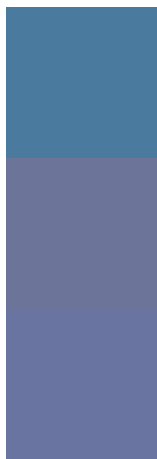


This preview shows how white text looks on a background with the YIQ color 112.3390, -40.4390,

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

112.3390, -40.4390, 0.4970

Protanopia

117.8260, -16.6450, 9.8110

Deuteranopia

117.7270, -20.6800, 11.3520



Tritanopia

109.9010, -39.5660, -9.8220

Trichromacy



Original Color

112.3390, -40.4390, 0.4970

Protanomaly

116.2270, -25.2640, 6.3200

Deuteranomaly

116.0850, -27.7400, 7.1400

Tritanomaly

111.1230, -40.0710, -6.1750

Monochromacy



Original Color

112.3390, -40.4390, 0.4970

Achromatopsia

112.0000, -0.0000, 0.0000

Achromatomaly

112.1000, -14.9010, 0.2270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.3390, -40.4390, 0.4970 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(74, 123, 158)` looks like.

```
.text, #text, p{  
    color:rgb(74, 123, 158)  
}
```

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(74, 123, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 123, 158) }
```

Border

The CSS property to change the border of an element to YIQ 112.3390, -40.4390, 0.4970 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(74, 123, 158) }
```


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

```
.border{ border-color:rgb(74, 123, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 123, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 123, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 123, 158);  
box-shadow:4px 4px 4px 4px rgb(74, 123,  
158) }
```

Background

The CSS property to change the background color of an element to YIQ 112.3390, -40.4390, 0.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 123, 158) }
```

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

```
.background{ background-color: rgb(74, 123,  
158) }
```

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