

Converting Colors

YIQ(120.6930, 0.7410, -40.9790)

Have a look what the booklet for
YIQ(120.6930, 0.7410, -40.9790)
contains.

YIQ(120.6930, 0.7410, -40.9790)	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(120.6930, 0.7410,
-40.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	609332
RGB	96, 147, 50
RGB Percent	38%, 58%, 20%
CMY	0.6237, 0.4234, 0.8038
CMYK	0.35, 0.00, 0.66, 0.42
HSL	92°, 49%, 39%
HSV	92°, 66%, 58%
XYZ	15.8322, 23.5888, 6.7385
YIQ	120.6930, 0.7410, -40.9790

Conversions

Conversions Part 2

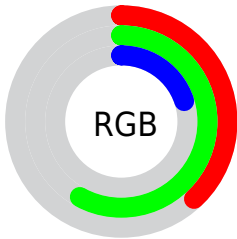
Format	Color
RYB	50, 147, 101
Decimal	6329138
CIELab	55.67, -33.83, 44.47
CIELCh	56, 55.872, 127.264
Yxy	23.5888, 0.3430, 0.5110
Android (android.graphics.Color)	4284519218 (0xFF609332)
YUV	120.6930, -34.8516, -21.6558
Hunter-Lab	48.5683, -26.8075, 25.7717

Details

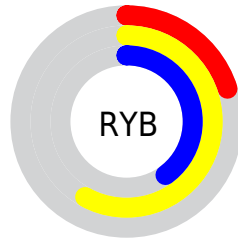
The YIQ color **120.6930, 0.7410, -40.9790** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **76.3070, -0.7410, 40.9790**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.3510, 1.7040, -41.9120**, and **69.2090, -0.7720, -41.0920** is the 20% darker color. If you saturate the color by 10%, you get **116.5910, 0.7880, -47.3400**, and if you desaturate by 10%, it is **124.7950, 0.6940, -34.6180**.

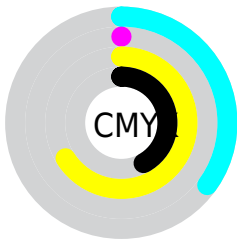
Distribution



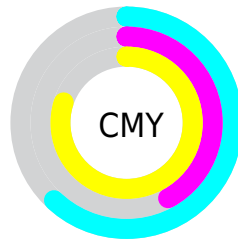
- Red (38%)
- Green (58%)
- Blue (20%)



- Red (20%)
- Yellow (58%)
- Blue (40%)



- Cyan (35%)
- Magenta (0%)
- Yellow (66%)
- Black (42%)



- Cyan (62%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 120.6930, 0.7410, -40.9790 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 120.6930, 0.7410, -40.9790 by changing the saturation by 10% instead.


 120.6930, 0.7410,
-40.9790


 120.6930, 0.7410,
-40.9790


255.0000, -0.0000,
-0.0000

 94.5790, 1.0620,
-41.2900


 174.3510, 1.7040,
-41.9120

 69.2090, -0.7720,
-41.0920


 202.7100, 2.0710,
-43.0570

 47.0480, -10.2640,
-34.2640


 228.8350, 3.2170,
-41.7990

 28.7630, -13.4750,
-25.6270

 240.5840, 11.8340,
-27.2540

 16.4360, -7.7000,
-14.6440

 249.8700, 14.4450,
-13.9950

 0.0000, 0.0000,
0.0000

 253.0620, 5.4570,

-5.2870

■ 120.6930, 0.7410,
-40.9790

■ 120.6930, 0.7410,
-40.9790

■ 116.5910, 0.7880,
-47.3400

■ 124.7950, 0.6940,
-34.6180

■ 112.6030, 0.5140,
-53.3900

■ 128.4840, 0.3720,
-28.7800

■ 108.8000, 1.1570,
-59.5390

■ 132.5860, 0.3250,
-22.4190

■ 107.2190, 1.2950,
-62.0410

■ 136.6880, 0.2780,
-16.0580

■ 140.7900, 0.2310,
-9.6970

■ 144.4790, -0.0910,
-3.8590

■ 148.5810, -0.1380,
2.5020

■ 152.6830, -0.1850,
8.8630

■ 156.6710, 0.0890,
14.9130

Harmonies

Analogous

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



125.9340, 42.7830, -31.9770



120.6930, 0.7410, -40.9790



101.1140, -72.5240, -51.3080

Triad

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



120.6930, 0.7410, -40.9790



112.2980, -112.2830, -8.0510



131.2840, 67.9870, 39.9150

Complementary

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



120.6930, 0.7410, -40.9790



76.3070, -0.7410, 40.9790

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.



135.4720, 38.4590, 46.4190



120.6930, 0.7410, -40.9790



118.9200, -84.1350, 10.4650

Square

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



120.6930, 0.7410, -40.9790



112.7590, -103.9360, -21.6640



136.7080, -9.3600, 37.4880



130.2900, 75.8770, 18.0610

Rectangle

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



120.6930, 0.7410, -40.9790



106.0500, -83.6670, -42.0910



136.7080, -9.3600, 37.4880



131.9120, 60.4670, 44.0430

Sweetspot

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



120.6930, 0.7410, -40.9790



180.6880, 0.2780, -16.0580



108.3530, 44.0620, -5.5860



90.7900, 0.2310, -9.6970



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000

Same Dimension

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



120.6930, 0.7410, -40.9790



150.1650, 1.3870, -63.7090



107.1670, -27.3170, -50.1090



72.0060, -0.1370, -3.0250



100.4410, 0.7900, -58.3940



7.3650, 0.2300, -4.1700

Inverse Universe

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



76.3070, -0.7410, 40.9790



81.1340, -0.7910, 63.9210



89.8330, 27.3170, 50.1090



68.6950, -0.4590, 2.8130



37.2600, -1.3860, 58.1820



2.6350, -0.2300, 4.1700

Previews

White Background



This preview shows how the YIQ color 120.6930, 0.7410, -40.9790 looks on a white 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

Black Background



This preview shows how the YIQ color 120.6930, 0.7410, -40.9790 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 120.6930, 0.7410, -40.9790

Background



This preview shows how black text looks on a background with the YIQ color 120.6930, 0.7410, -40.9790.



This preview shows how white text looks on a background with the YIQ color 120.6930, 0.7410, -40.9790.

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

120.6930, 0.7410, -40.9790

Protanopia

127.8660, 37.4630, -23.6650

Deuteranopia

129.7950, 45.3930, -13.1910



Tritanopia

130.1810, -19.6230, -2.3030

Trichromacy



Original Color

120.6930, 0.7410, -40.9790

Protanomaly

125.2340, 24.4430, -29.9970

Deuteranomaly

126.6740, 29.2560, -23.6080

Tritanomaly

126.9300, -12.1470, -16.6510

Monochromacy



Original Color

120.6930, 0.7410, -40.9790

Achromatopsia

121.0000, -0.0000, 0.0000

Achromatomaly

120.6280, 0.5070, -14.7010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.6930, 0.7410, -40.9790 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(96, 147, 50)` looks like.

```
.text, #text, p{  
    color:rgb(96, 147, 50)  
}
```

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(96, 147, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 147, 50) }
```

Border

The CSS property to change the border of an element to YIQ 120.6930, 0.7410, -40.9790 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(96, 147, 50) }
```


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

```
.border{ border-color:rgb(96, 147, 50) }
```

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

Here you see how a box with a 4 pixel rgb(96, 147, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 147, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 147, 50);  
box-shadow:4px 4px 4px 4px rgb(96, 147,  
50) }
```

Background

The CSS property to change the background color of an element to YIQ 120.6930, 0.7410, -40.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 147, 50) }
```

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

```
.background{ background-color: rgb(96, 147,  
50) }
```

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