

Converting Colors

YIQ(116.9930, 0.7370, -18.8710)

Have a look what the booklet for
YIQ(116.9930, 0.7370, -18.8710)
contains.

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Color

**YIQ(116.9930, 0.7370,
-18.8710)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8154
RGB	106, 129, 84
RGB Percent	42%, 51%, 33%
CMY	0.5844, 0.4941, 0.6705
CMYK	0.18, 0.00, 0.35, 0.49
HSL	91°, 21%, 42%
HSV	91°, 35%, 51%
XYZ	15.3935, 19.4062, 11.3239
YIQ	116.9930, 0.7370, -18.8710

Conversions

Conversions Part 2

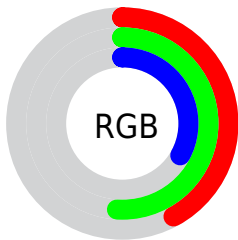
Format	Color
R_{YB}	84, 129, 107
Decimal	6979924
CIE _{Lab}	51.16, -16.93, 21.74
CIE _{LCh}	51, 27.556, 127.921
Yxy	19.4062, 0.3337, 0.4207
Android (android.graphics.Color)	4285170004 (0xFF6A8154)
YUV	116.9930, -16.2655, -9.6409
Hunter-Lab	44.0524, -14.7175, 15.5959

Details

The YIQ color $116.9930, 0.7370, -18.8710$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $96.0070, -0.7370, 18.8710$, and the grayscale version is $117.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $169.3520, 1.1040, -20.0160$, and $68.6340, 0.3700, -17.7260$ is the 20% darker color. If you saturate the color by 10%, you get $113.4180, 0.7380, -24.3980$, and if you desaturate by 10%, it is $120.5680, 0.7360, -13.3440$.

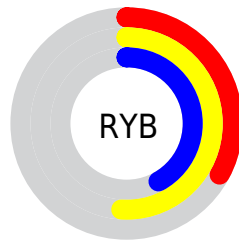
Distribution



Red (42%)

Green (51%)

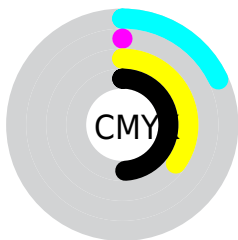
Blue (33%)



Red (33%)

Yellow (51%)

Blue (42%)

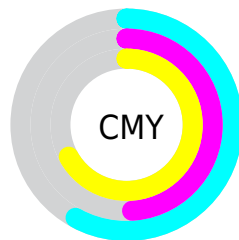


Cyan (18%)

Magenta (0%)

Yellow (35%)

Black (49%)



Cyan (58%)

Magenta (49%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 116.9930, 0.7370, -18.8710 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 116.9930, 0.7370, -18.8710 by changing the saturation by 10% instead.

■ 116.9930, 0.7370,
-18.8710

■ 116.9930, 0.7370,
-18.8710

■ 255.0000, -0.0000,
-0.0000

■ 92.1070, 0.4160,
-18.5600

■ 169.3520, 1.1040,
-20.0160

■ 68.6340, 0.3700,
-17.7260

■ 196.8250, 1.1500,
-20.8500

■ 45.8620, -0.2720,
-17.1040

■ 224.7110, 1.4710,
-21.1610

■ 25.0300, -0.6850,
-15.1250

■ 246.2540, 4.4960,
-15.4080

■ 4.6960, -2.2000,
-4.1840

■ 253.7460, 3.5310,
-3.4210

■ 0.0000, 0.0000,
0.0000

■ 116.9930, 0.7370,
-18.8710

■ 116.9930, 0.7370,
-18.8710

■ 113.4180, 0.7380,
-24.3980

■ 120.5680, 0.7360,
-13.3440

■ 110.1420, 1.3350,
-29.7130

■ 123.8440, 0.1390,
-8.0290

■ 106.5670, 1.3360,
-35.2400

■ 127.4190, 0.1380,
-2.5020

■ 103.2910, 1.9330,
-40.5550

■ 130.6950, -0.4590,
2.8130

■ 99.8300, 1.6130,
-45.7710

■ 134.2700, -0.4600,
8.3400

■ 96.2550, 1.6140,
-51.2980

■ 137.7310, -0.1400,
13.5560

■ 94.5600, 2.0730,
-54.1110

■ 141.0070, -0.7370,
18.8710

■ 144.5820, -0.7380,

24.3980

■ 147.8580, -1.3350,
29.7130

Harmonies

Analogous

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



119.6320, 21.0470, -12.4970



116.9930, 0.7370, -18.8710



113.1350, -23.1500, -20.9900

Triad

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



116.9930, 0.7370, -18.8710



112.7720, -52.0840, -3.2200



124.5040, 34.2920, 17.3000

Complementary

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



116.9930, 0.7370, -18.8710



96.0070, -0.7370, 18.8710

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.



125.1250, 19.4820, 21.3860



116.9930, 0.7370, -18.8710



120.3670, -28.4740, 9.4300

Square

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



116.9930, 0.7370, -18.8710



105.3370, -64.4610, -15.7010



124.8110, -3.1210, 18.0230



123.1590, 39.3370, 8.4650

Rectangle

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



116.9930, 0.7370, -18.8710



109.5660, -40.4810, -20.7770



124.8110, -3.1210, 18.0230



124.5190, 29.9360, 19.1520

Sweetspot

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



116.9930, 0.7370, -18.8710



163.6700, 0.6890, -6.9830



110.9560, 20.4950, -2.4890



81.3650, 0.2300, -4.1700



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



116.9930, 0.7370, -18.8710



149.2560, 1.0140, -29.4020



110.4150, -12.3750, -23.5350



62.0060, -0.1370, -3.0250



93.6740, 1.7520, -53.8000



0.0000, 0.0000, 0.0000

Inverse Universe

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



96.0070, -0.7370, 18.8710



116.7440, -1.0140, 29.4020



102.5850, 12.3750, 23.5350



58.9940, 0.1370, 3.0250



34.0270, -2.3480, 53.5880



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 116.9930, 0.7370, -18.8710 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 116.9930, 0.7370, -18.8710 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 116.9930, 0.7370, -18.8710

Background



This preview shows how black text looks on a background with the YIQ color 116.9930, 0.7370, -18.8710.



This preview shows how white text looks on a background with the YIQ color 116.9930, 0.7370, -18.8710.

-18.8710.

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

116.9930, 0.7370, -18.8710

Protanopia

120.3160, 19.1210, -10.6310

Deuteranopia

121.0660, 25.9970, -3.0830



Tritanopia

121.1500, -9.1700, 0.9900

Trichromacy



Original Color

116.9930, 0.7370, -18.8710

Protanomaly

119.5000, 12.6110, -13.7970

Deuteranomaly

119.7010, 16.5990, -8.9770

Tritanomaly

119.3750, -5.7300, -6.2900

Monochromacy



Original Color

116.9930, 0.7370, -18.8710

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.7840, 0.3680, -6.6720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.9930, 0.7370, -18.8710 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(106, 129, 84)` looks like.

```
.text, #text, p{  
    color:rgb(106, 129, 84)  
}
```

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(106, 129, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 129, 84) }
```

Border

The CSS property to change the border of an element to YIQ 116.9930, 0.7370, -18.8710 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(106, 129, 84) }
```


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

```
.border{ border-color:rgb(106, 129, 84) }
```

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

Here you see how a box with a 4 pixel rgb(106, 129, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 129, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 129, 84);  
box-shadow:4px 4px 4px 4px rgb(106, 129,  
84) }
```

Background

The CSS property to change the background color of an element to YIQ 116.9930, 0.7370, -18.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 129, 84) }
```

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

```
.background{ background-color: rgb(106,  
129, 84) }
```

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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