

Converting Colors

YIQ(117.7630, -29.5290,
12.0310)

Have a look what the booklet for
YIQ(117.7630, -29.5290, 12.0310)
contains.

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Color

**YIQ(117.7630, -29.5290,
12.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	6176AB
RGB	97, 118, 171
RGB Percent	38%, 46%, 67%
CMY	0.6196, 0.5372, 0.3296
CMYK	0.43, 0.31, 0.00, 0.33
HSL	223°, 31%, 53%
HSV	223°, 43%, 67%
XYZ	18.7556, 18.4389, 41.0784
YIQ	117.7630, -29.5290, 12.0310

Conversions

Conversions Part 2

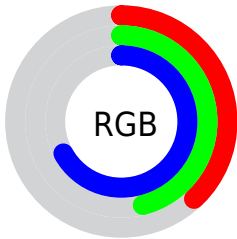
Format	Color
R _Y B	97, 113, 171
Decimal	6387371
CIE Lab	50.02, 6.51, -30.68
CIE LCh	50, 31.363, 281.976
Yxy	18.4389, 0.2396, 0.2356
Android (android.graphics.Color)	4284577451 (0xFF6176AB)
YUV	117.7630, 26.2458, -18.2092
Hunter-Lab	42.9405, 2.8197, -26.6606

Details

The YIQ color **117.7630, -29.5290, 12.0310** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **150.2370, 29.5290, -12.0310**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.8170, -29.6210, 13.6990**, and **67.6980, -30.9040, 9.4160** is the 20% darker color. If you saturate the color by 10%, you get **105.6360, -36.3610, 14.7030**, and if you desaturate by 10%, it is **129.8900, -22.6970, 9.3590**.

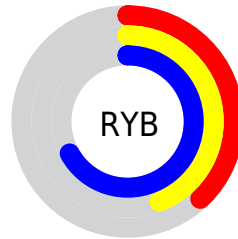
Distribution



Red (38%)

Green (46%)

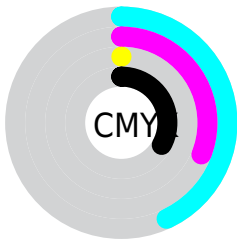
Blue (67%)



Red (38%)

Yellow (44%)

Blue (67%)

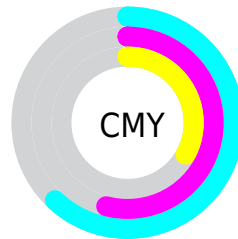


Cyan (43%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7630, -29.5290, 12.0310 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 117.7630, -29.5290, 12.0310 by changing the saturation by 10% instead.

■ 117.7630,
-29.5290, 12.0310

■ 117.7630,
-29.5290, 12.0310

■ 255.0000, -0.0000,
-0.0000

■ 92.2360, -29.4830,
11.1970

■ 170.8170,
-29.6210, 13.6990

■ 67.6980, -30.9040,
9.4160

■ 197.9310,
-29.9420, 14.0100

■ 42.6650, -35.3050,
6.5750

■ 222.7390,
-20.9540, 5.3020

■ 24.4160, -30.1700,
7.1260

■ 248.4330,
-11.6450, -3.7170

■ 5.3580, -15.0870,
14.6170

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,

0.0000

■ 117.7630,
-29.5290, 12.0310

■ 117.7630,
-29.5290, 12.0310

■ 105.6360,
-36.3610, 14.7030

■ 129.8900,
-22.6970, 9.3590

■ 93.5090, -43.1930,
17.3750

■ 142.0170,
-15.8650, 6.6870

■ 80.7950, -49.7500,
20.5700

■ 154.7310, -9.3080,
3.4920

■ 68.6680, -56.5820,
23.2420

■ 166.8580, -2.4760,
0.8200

■ 56.5410, -63.4140,
25.9140

■ 178.9850, 4.3560,
-1.8520

■ 48.2570, -68.3660,
27.5540

■ 191.4110, 11.7840,
-4.3120

■ 204.1250, 18.3410,
-7.5070

■ 216.2520, 25.1730,
-10.1790

■ 228.3790, 32.0050,
-12.8510

Harmonies

Analogous

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



106.9820, -61.4830, -3.5870



117.7630, -29.5290, 12.0310



122.1860, 0.3170, 21.7970

Triad

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



117.7630, -29.5290, 12.0310



119.7850, 43.3260, 7.7580



107.3510, -32.6860, -24.3820

Complementary

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



117.7630, -29.5290, 12.0310



150.2370, 29.5290, -12.0310

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.



112.7320, -3.0220, -22.3340



117.7630, -29.5290, 12.0310



118.3460, 36.7720, -5.6280

Square

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



117.7630, -29.5290, 12.0310



121.0810, 39.9770, 18.8970



116.2250, 20.6350, -16.0450



94.2720, -75.0040, -28.3800

Rectangle

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



117.7630, -29.5290, 12.0310



122.4500, 17.1890, 24.3970



116.2250, 20.6350, -16.0450



109.6250, -21.7740, -23.9020

Sweetspot

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



117.7630, -29.5290, 12.0310



201.0020, -11.5090, 4.8350



146.3660, -37.0420, -22.5300



98.9870, -7.1530, 2.9830



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



117.7630, -29.5290, 12.0310



138.5950, -46.3110, 18.8170



109.9210, -14.8140, 26.1940



80.2000, -3.4390, 1.7530



42.3410, -59.9750, 24.1610



6.7310, -9.3080, 3.4920

Inverse Universe

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



121.5200, 37.3630, 22.2190



144.4460, 58.5430, 34.8550



158.0790, 14.8140, -26.1940



80.9190, 4.7220, 2.5300



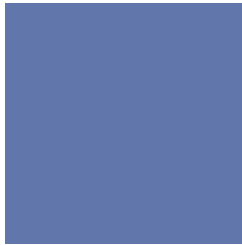
49.7520, 75.5970, 45.1730



7.6750, 11.4610, 7.0530

Previews

White Background



This preview shows how the YIQ color 117.7630, -29.5290, 12.0310 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 117.7630, -29.5290, 12.0310 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

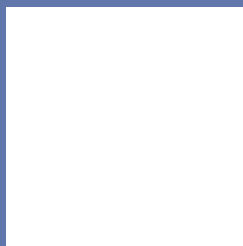
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 117.7630, -29.5290, 12.0310

Background



This preview shows how black text looks on a background with the YIQ color 117.7630, -29.5290, 12.0310.



This preview shows how white text looks on a background with the YIQ color 117.7630, -29.5290,

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

117.7630, -29.5290, 12.0310

Protanopia

118.5570, -25.9530, 13.3030

Deuteranopia

118.0620, -28.9330, 12.2430



Tritanopia

114.7780, -25.8580, -4.9460

Trichromacy



Original Color

117.7630, -29.5290, 12.0310

Protanomaly

117.9590, -27.1450, 12.8790

Deuteranomaly

118.0620, -28.9330, 12.2430

Tritanomaly

115.6950, -26.8220, 1.5140

Monochromacy



Original Color

117.7630, -29.5290, 12.0310

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.7740, -10.8670, 4.2130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7630, -29.5290, 12.0310 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(97, 118, 171)` looks like.

```
.text, #text, p{  
    color:rgb(97, 118, 171)  
}
```

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(97, 118, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 118, 171) }
```

Border

The CSS property to change the border of an element to YIQ 117.7630, -29.5290, 12.0310 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(97, 118, 171) }
```


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

```
.border{ border-color:rgb(97, 118, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 118, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 118, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 118, 171);  
box-shadow:4px 4px 4px 4px rgb(97, 118,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7630, -29.5290, 12.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 118, 171) }
```

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

```
.background{ background-color: rgb(97, 118,  
171) }
```

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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