

Converting Colors

YIQ(109.4700, -74.9610,
-12.6330)

Have a look what the booklet for
YIQ(109.4700, -74.9610, -12.6330)
contains.

YIQ(109.4700, -74.9610, -12.6330)	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(109.4700, -74.9610,
-12.6330)**

Conversions

Conversions Part 1

Format	Color
Hex	1E8AAB
RGB	30, 138, 171
RGB Percent	12%, 54%, 67%
CMY	0.8825, 0.4586, 0.3297
CMYK	0.82, 0.19, 0.00, 0.33
HSL	194°, 70%, 39%
HSV	194°, 82%, 67%
XYZ	16.9715, 21.4023, 41.7235
YIQ	109.4700, -74.9610, -12.6330

Conversions

Conversions Part 2

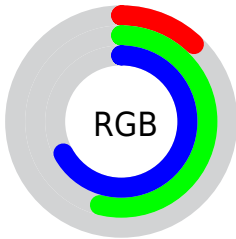
Format	Color
R_{YB}	30, 91, 171
Decimal	2001579
CIE _{Lab}	53.39, -17.53, -25.64
CIE _{LCh}	53, 31.054, 235.641
Yxy	21.4023, 0.2119, 0.2672
Android (android.graphics.Color)	4280191659 (0xFF1E8AAB)
YUV	109.4700, 30.3343, -69.6952
Hunter-Lab	46.2626, -15.4765, -21.0889

Details

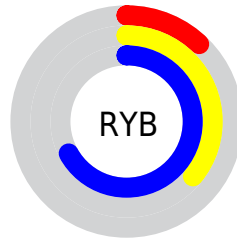
The YIQ color **109.4700, -74.9610, -12.6330** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **91.5300, 74.9610, 12.6330**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.3680, -65.7460, -8.9300**, and **65.2220, -62.3990, -9.0150** is the 20% darker color. If you saturate the color by 10%, you get **102.0390, -83.9930, -14.1450**, and if you desaturate by 10%, it is **116.9010, -65.9290, -11.1210**.

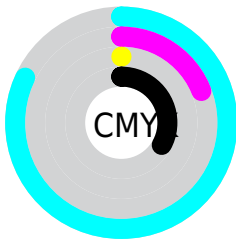
Distribution



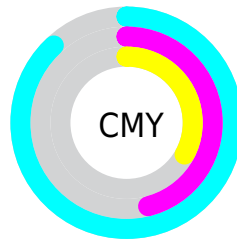
- Red (12%)
- Green (54%)
- Blue (67%)



- Red (12%)
- Yellow (36%)
- Blue (67%)



- Cyan (82%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)



- Cyan (88%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.4700, -74.9610, -12.6330 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 109.4700, -74.9610, -12.6330 by changing the saturation by 10% instead.

■ 109.4700,
-74.9610, -12.6330

■ 109.4700,
-74.9610, -12.6330

■ 255.0000, -0.0000,
-0.0000

■ 82.7470, -77.2990,
-14.3150

■ 168.3680,
-65.7460, -8.9300

■ 65.2220, -62.3990,
-9.0150

■ 196.4930,
-64.6000, -7.6720

■ 48.2840, -47.7740,
-4.2380

■ 222.1870,
-55.2910, -16.6910

■ 32.6340, -34.0200,
-0.1960

■ 235.2660,
-39.3360, -13.9920

■ 18.2720, -21.1370,
3.1110

■ 244.2360,
-21.4560, -7.6320

■ 3.5510, -8.6210,
7.5630

■ 253.2060, -3.5760,

■ 0.0000, 0.0000,

-1.2720

0.0000

■ 109.4700,
-74.9610, -12.6330

■ 109.4700,
-74.9610, -12.6330

■ 102.0390,
-83.9930, -14.1450

■ 116.9010,
-65.9290, -11.1210

■ 96.3910, -90.9160,
-15.3320

■ 124.3320,
-56.8970, -9.6090

■ 131.7630,
-47.8650, -8.0970

■ 139.1940,
-38.8330, -6.5850

■ 146.6250,
-29.8010, -5.0730

■ 154.3550,
-20.1730, -3.3490

■ 161.7860,
-11.1410, -1.8370

■ 169.2170, -2.1090,
-0.3250

■ 176.6480, 6.9230,
1.1870

Harmonies

Analogous

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



101.9600, -82.7530, -25.6090



109.4700, -74.9610, -12.6330



121.6360, -45.5290, 4.6390

Triad

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



109.4700, -74.9610, -12.6330



130.5950, 32.7780, 22.7140



123.4410, 11.0990, -19.4370

Complementary

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



109.4700, -74.9610, -12.6330



91.5300, 74.9610, 12.6330

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.



126.3620, 30.6750, -10.7730



109.4700, -74.9610, -12.6330



129.0010, 42.9580, 14.4300

Square

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



109.4700, -74.9610, -12.6330



131.5850, 12.3750, 23.5350



127.6120, 42.1350, 1.8070



119.4470, -15.4010, -23.7610

Rectangle

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



109.4700, -74.9610, -12.6330



126.9700, -25.6780, 13.8260



127.6120, 42.1350, 1.8070



124.0290, 18.2510, -16.8930

Sweetspot

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



109.4700, -74.9610, -12.6330



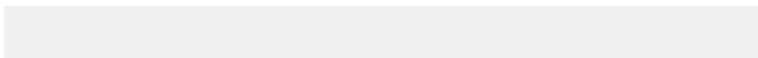
197.6250, -29.8010, -5.0730



116.1870, -48.4050, -64.4130



97.4370, -17.4680, -2.8120



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.



109.4700, -74.9610, -12.6330



126.2830, -117.0950, -19.9670



69.5540, -56.2610, 22.9310



83.1350, -4.8140, -0.8620



84.6050, -79.7750, -13.4950



13.1880, -12.3330, -2.2610

Inverse Universe

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



84.4710, 49.3680, 63.4800



87.0460, 76.8710, 99.1990



131.4460, 56.2610, -22.9310



81.4890, 3.1170, 4.0850



57.9600, 52.4850, 67.5650



8.9290, 7.9300, 10.4740

Previews

White Background



This preview shows how the YIQ color 109.4700, -74.9610, -12.6330 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 109.4700, -74.9610, -12.6330 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 109.4700, -74.9610, -12.6330 Background



This preview shows how black text looks on a background with the YIQ color 109.4700, -74.9610, -12.6330.



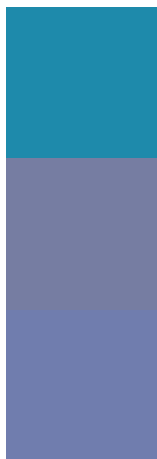
This preview shows how white text looks on a background with the YIQ color 109.4700, -74.9610, -12.6330.

-12.6330.

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

109.4700, -74.9610, -12.6330

Protanopia

127.1250, -16.0490, 10.0230

Deuteranopia

126.6990, -23.4770, 12.4830



Tritanopia

100.0950, -87.5670, -26.4710

Trichromacy



Original Color

109.4700, -74.9610, -12.6330

Protanomaly

120.8340, -37.4590, 1.5570

Deuteranomaly

120.5500, -42.4110, 3.1970

Tritanomaly

103.5950, -82.9830, -21.4390

Monochromacy



Original Color

109.4700, -74.9610, -12.6330

Achromatopsia

109.0000, -0.0000, 0.0000

Achromatomaly

109.4080, -27.6920, -4.7480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.4700, -74.9610, -12.6330 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(30, 138, 171)` looks like.

```
.text, #text, p{  
    color:rgb(30, 138, 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(30, 138, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 138, 171) }
```

Border

The CSS property to change the border of an element to YIQ 109.4700, -74.9610, -12.6330 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(30, 138, 171) }
```


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

```
.border{ border-color:rgb(30, 138, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 138, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 138, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 138, 171);  
box-shadow:4px 4px 4px 4px rgb(30, 138,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 109.4700, -74.9610, -12.6330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 138, 171) }
```

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

```
.background{ background-color: rgb(30, 138,  
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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