

Converting Colors

YIQ(74.7610, -69.6050, 33.4910)

Have a look what the booklet for
YIQ(74.7610, -69.6050, 33.4910)
contains.

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Color

**YIQ(74.7610, -69.6050,
33.4910)**

Conversions

Conversions Part 1

Format	Color
Hex	1D48D1
RGB	29, 72, 209
RGB Percent	11%, 28%, 82%
CMY	0.8862, 0.7176, 0.1808
CMYK	0.86, 0.66, 0.00, 0.18
HSL	226°, 76%, 47%
HSV	226°, 86%, 82%
XYZ	14.3217, 9.4969, 61.3366
YIQ	74.7610, -69.6050, 33.4910

Conversions

Conversions Part 2

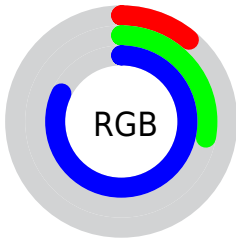
Format	Color
R _Y B	29, 64, 209
Decimal	1919185
CIE Lab	36.92, 37.95, -73.93
CIE LCh	37, 83.098, 297.170
Yxy	9.4969, 0.1682, 0.1115
Android (android.graphics.Color)	4280109265 (0xFF1D48D1)
YUV	74.7610, 66.1798, -40.1324
Hunter-Lab	30.8170, 29.0251, -96.4358

Details

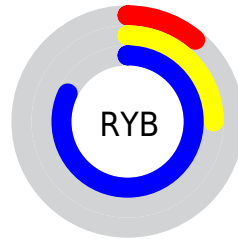
The YIQ color **74.7610, -69.6050, 33.4910** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **163.2390, 69.6050, -33.4910**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **132.4000, -49.2950, 39.8650**, and **34.4650, -57.0880, 32.4160** is the 20% darker color. If you saturate the color by 10%, you get **59.0900, -77.7210, 37.4070**, and if you desaturate by 10%, it is **90.4320, -61.4890, 29.5750**.

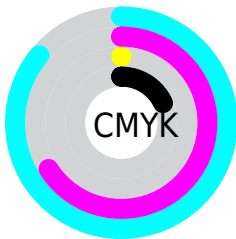
Distribution



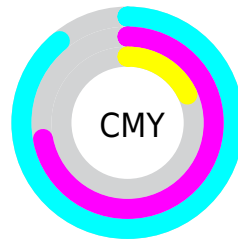
- Red (11%)
- Green (28%)
- Blue (82%)



- Red (11%)
- Yellow (25%)
- Blue (82%)



- Cyan (86%)
- Magenta (66%)
- Yellow (0%)
- Black (18%)



- Cyan (89%)
- Magenta (72%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 74.7610, -69.6050, 33.4910 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 74.7610, -69.6050, 33.4910 by changing the saturation by 10% instead.

■ 74.7610, -69.6050,
33.4910

■ 74.7610, -69.6050,
33.4910

■ 255.0000, -0.0000,
-0.0000

■ 49.9840, -71.8510,
30.1410

■ 132.4000,
-49.2950, 39.8650

■ 35.0520, -57.3630,
31.8930

■ 157.2300,
-37.3730, 33.0510

■ 21.4080, -43.7460,
32.9100

■ 182.3480,
-26.3220, 25.5020

■ 11.4000, -32.1000,
31.1000

■ 207.1670,
-15.8670, 17.7410

■ 13.8330, -26.5500,
18.6180

■ 232.8720, -5.0910,
9.6690

■ 8.2760, -17.7920,
14.0800

■ 4.5940, -10.1800,

8.2840

■ 0.0000, 0.0000,
0.0000

■ 74.7610, -69.6050,
33.4910

■ 74.7610, -69.6050,
33.4910

■ 59.0900, -77.7210,
37.4070

■ 90.4320, -61.4890,
29.5750

■ 53.1760, -80.8390,
38.8490

■ 106.1030,
-53.3730, 25.6590

■ 121.7740,
-45.2570, 21.7430

■ 137.4450,
-37.1410, 17.8270

■ 152.8170,
-29.6210, 13.6990

■ 167.9010,
-21.2300, 10.3060

■ 183.5720,
-13.1140, 6.3900

■ 199.2430, -4.9980,
2.4740

■ 214.9140, 3.1180,
-1.4420

Harmonies

Analogous

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



83.6490, -99.1290, 17.8870



74.7610, -69.6050, 33.4910



64.9980, 41.2950, 83.1430

Triad

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



74.7610, -69.6050, 33.4910



75.7280, 83.0310, 9.5510



74.0490, -55.5630, -33.7950

Complementary

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



74.7610, -69.6050, 33.4910



163.2390, 69.6050, -33.4910

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.



63.3960, -29.7000, -56.4840



74.7610, -69.6050, 33.4910



82.2090, 43.9270, -19.6650

Square

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



74.7610, -69.6050, 33.4910



60.7570, 103.5640, 50.4440



71.2580, -2.4680, -43.3960



82.5020, -77.9870, -12.8590

Rectangle

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



74.7610, -69.6050, 33.4910



69.1800, 72.6570, 76.4410



71.2580, -2.4680, -43.3960



70.7260, -47.5840, -40.7360

Sweetspot

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



74.7610, -69.6050, 33.4910



205.9160, -25.5860, 12.1580



150.0500, -92.8350, -52.1550



97.8430, -15.3150, 7.7330



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



74.7610, -69.6050, 33.4910



64.8770, -98.6300, 47.4020



62.9750, -30.9600, 65.5200



97.0150, -4.3560, 1.8520



42.6320, -64.9280, 31.3280



10.5440, -15.9110, 7.5210

Inverse Universe

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



87.7220, 93.4770, 51.5330



83.1990, 132.3990, 73.0310



175.0250, 30.9600, -65.5200



97.6310, 5.5930, 3.2650



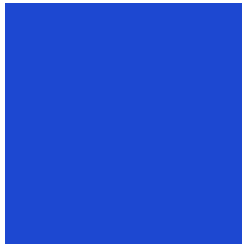
54.7920, 87.2880, 48.0560



13.3990, 21.2260, 11.8020

Previews

White Background



This preview shows how the YIQ color 74.7610, -69.6050, 33.4910 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 ✓ Pass

Black Background



This preview shows how the YIQ color 74.7610, -69.6050, 33.4910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

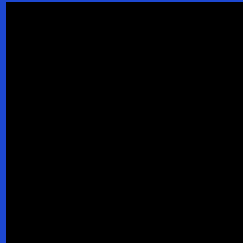
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 74.7610, -69.6050, 33.4910

Background



This preview shows how black text looks on a background with the YIQ color 74.7610, -69.6050, 33.4910.



This preview shows how white text looks on a background with the YIQ color 74.7610, -69.6050,

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

74.7610, -69.6050, 33.4910

Protanopia

68.7850, -79.3210, 11.3270

Deuteranopia

69.3430, -72.6250, 0.1030



Tritanopia

67.8660, -58.8210, -18.7970

Trichromacy



Original Color

74.7610, -69.6050, 33.4910

Protanomaly

71.0940, -75.5170, 19.4830

Deuteranomaly

71.5040, -71.1600, 12.1040

Tritanomaly

70.3180, -62.3090, 0.3710

Monochromacy



Original Color

74.7610, -69.6050, 33.4910

Achromatopsia

75.0000, -0.0000, -0.0000

Achromatomaly

74.9160, -25.5860, 12.1580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 74.7610, -69.6050, 33.4910 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(29, 72, 209)` looks like.

```
.text, #text, p{  
    color:rgb(29, 72, 209)  
}
```

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(29, 72, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 72, 209) }
```

Border

The CSS property to change the border of an element to YIQ 74.7610, -69.6050, 33.4910 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(29, 72, 209) }
```


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

```
.border{ border-color:rgb(29, 72, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 72, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 72, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 72, 209);  
box-shadow:4px 4px 4px 4px rgb(29, 72,  
209) }
```

Background

The CSS property to change the background color of an element to YIQ 74.7610, -69.6050, 33.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 72, 209) }
```

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

```
.background{ background-color: rgb(29, 72,  
209) }
```

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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