

Converting Colors

YIQ(75.6310, -19.6290, 30.8590)

Have a look what the booklet for
YIQ(75.6310, -19.6290, 30.8590)
contains.

YIQ(75.6310, -19.6290, 30.8590)	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(75.6310, -19.6290,
30.8590)**

Conversions

Conversions Part 1

Format	Color
Hex	4C3D96
RGB	76, 61, 150
RGB Percent	30%, 24%, 59%
CMY	0.7019, 0.7608, 0.4119
CMYK	0.49, 0.59, 0.00, 0.41
HSL	250°, 42%, 41%
HSV	250°, 59%, 59%
XYZ	10.1528, 7.0751, 29.6689
YIQ	75.6310, -19.6290, 30.8590

Conversions

Conversions Part 2

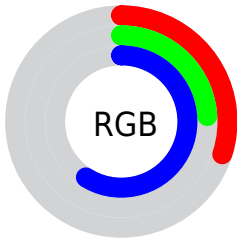
Format	Color
R _Y B	76, 61, 150
Decimal	4996502
CIE Lab	31.98, 30.44, -46.94
CIE LCh	32, 55.948, 302.962
Yxy	7.0751, 0.2165, 0.1509
Android (android.graphics.Color)	4283186582 (0xFF4C3D96)
YUV	75.6310, 36.6639, 0.3236
Hunter-Lab	26.5990, 21.5845, -47.5134

Details

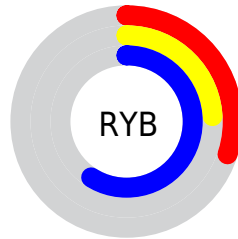
The YIQ color **75.6310, -19.6290, 30.8590** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **135.3690, 19.6290, -30.8590**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.2230, -18.3000, 34.3080**, and **25.6360, -27.1930, 24.7670** is the 20% darker color. If you saturate the color by 10%, you get **63.2380, -22.6560, 36.1600**, and if you desaturate by 10%, it is **88.0240, -16.6020, 25.5580**.

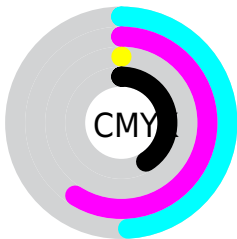
Distribution



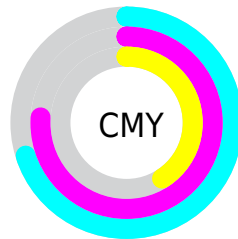
- Red (30%)
- Green (24%)
- Blue (59%)



- Red (30%)
- Yellow (24%)
- Blue (59%)



- Cyan (49%)
- Magenta (59%)
- Yellow (0%)
- Black (41%)



- Cyan (70%)
- Magenta (76%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 75.6310, -19.6290, 30.8590 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 75.6310, -19.6290, 30.8590 by changing the saturation by 10% instead.

■ 75.6310, -19.6290,
30.8590

■ 75.6310, -19.6290,
30.8590

■ 255.0000, -0.0000,
-0.0000

■ 51.3810, -21.9210,
28.3430

■ 126.2230,
-18.3000, 34.3080

■ 25.6360, -27.1930,
24.7670

■ 153.0490,
-17.7500, 35.3540

■ 8.4360, -23.7540,
23.0140

■ 179.1910,
-15.2740, 34.5340

■ 8.0480, -17.1500,
13.4580

■ 203.7110, -5.4150,
26.5610

■ 4.3660, -9.5380,
7.6620

■ 228.8180, 4.1690,
18.0650

■ 0.0000, 0.0000,
0.0000

■ 248.5430, 3.0250,

5.7530

■ 75.6310, -19.6290,
30.8590

■ 75.6310, -19.6290,
30.8590

■ 63.2380, -22.6560,
36.1600

■ 88.0240, -16.6020,
25.5580

■ 50.5460, -26.2790,
41.2490

■ 100.7160,
-12.9790, 20.4690

■ 38.1530, -29.3060,
46.5500

■ 113.1090, -9.9520,
15.1680

■ 25.4610, -32.9290,
51.6390

■ 125.8010, -6.3290,
10.0790

■ 24.5750, -33.2500,
51.9500

■ 138.1940, -3.3020,
4.7780

■ 150.8860, 0.3210,
-0.3110

■ 163.2790, 3.3480,
-5.6120

■ 175.9710, 6.9710,
-10.7010

■ 188.3640, 9.9980,
-16.0020

Harmonies

Analogous

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



65.6560, -74.6440, 9.1640



75.6310, -19.6290, 30.8590



71.4650, 31.1690, 46.3770

Triad

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



75.6310, -19.6290, 30.8590



70.2360, 57.6330, -3.7350



64.1840, -51.2090, -24.5930

Complementary

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



75.6310, -19.6290, 30.8590



135.3690, 19.6290, -30.8590

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.



57.0650, -35.2970, -37.6410



75.6310, -19.6290, 30.8590



70.6360, 32.4190, -20.3570

Square

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



75.6310, -19.6290, 30.8590



64.3850, 68.5400, 24.3800



63.0400, 1.3820, -36.0740



69.0860, -65.0120, -11.2200

Rectangle

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



75.6310, -19.6290, 30.8590



60.7300, 55.4680, 52.0440



63.0400, 1.3820, -36.0740



61.7730, -45.7980, -29.0460

Sweetspot

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



75.6310, -19.6290, 30.8590



164.7840, -7.6590, 12.1570



114.5840, -48.9190, -11.0230



79.2910, -4.9530, 7.1670



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.



75.6310, -19.6290, 30.8590



78.6090, -30.5900, 47.7940



88.7870, 6.5950, 40.1870



68.0970, -1.6510, 2.3890



22.6090, -30.5900, 47.7940



1.7380, -2.0180, 3.5340

Inverse Universe

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



96.0470, 29.2900, 41.8820



110.3720, 45.3330, 65.0210



122.2130, -6.5950, -40.1870



69.7770, 2.2460, 3.3500



54.2580, 45.6540, 64.7100



3.9020, 3.3920, 4.6080

Previews

White Background



This preview shows how the YIQ color 75.6310, -19.6290, 30.8590 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 75.6310, -19.6290, 30.8590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

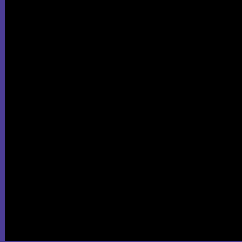
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 75.6310, -19.6290, 30.8590

Background



This preview shows how black text looks on a background with the YIQ color 75.6310, -19.6290, 30.8590.



This preview shows how white text looks on a background with the YIQ color 75.6310, -19.6290,

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

75.6310, -19.6290, 30.8590

Protanopia

60.4070, -69.5090, 9.7150

Deuteranopia

60.4750, -64.1890, 1.4030



Tritanopia

73.1060, -15.0380, -2.7980

Trichromacy



Original Color

75.6310, -19.6290, 30.8590

Protanomaly

66.3170, -51.4000, 17.4320

Deuteranomaly

66.0090, -47.7770, 12.3430

Tritanomaly

73.8260, -16.6450, 9.8110

Monochromacy



Original Color

75.6310, -19.6290, 30.8590

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.1430, -7.2920, 11.0120

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.6310, -19.6290, 30.8590 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(76, 61, 150)` looks like.

```
.text, #text, p{  
    color:rgb(76, 61, 150)  
}
```

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(76, 61, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 61, 150) }
```

Border

The CSS property to change the border of an element to YIQ 75.6310, -19.6290, 30.8590 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(76, 61, 150) }
```


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

```
.border{ border-color:rgb(76, 61, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 61, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 61, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 61, 150);  
box-shadow:4px 4px 4px 4px rgb(76, 61,  
150) }
```

Background

The CSS property to change the background color of an element to YIQ 75.6310, -19.6290, 30.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 61, 150) }
```

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

```
.background{ background-color: rgb(76, 61,  
150) }
```

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