

Converting Colors

YIQ(49.5410, -17.5740, 76.2340)

Have a look what the booklet for
YIQ(49.5410, -17.5740, 76.2340)
contains.

YIQ(49.5410, -17.5740, 76.2340)	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(49.5410, -17.5740,
76.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	5005C7
RGB	80, 5, 199
RGB Percent	31%, 2%, 78%
CMY	0.6860, 0.9805, 0.2198
CMYK	0.60, 0.98, 0.00, 0.22
HSL	263°, 95%, 40%
HSV	263°, 98%, 78%
XYZ	13.6709, 5.9376, 54.4242
YIQ	49.5410, -17.5740, 76.2340

Conversions

Conversions Part 2

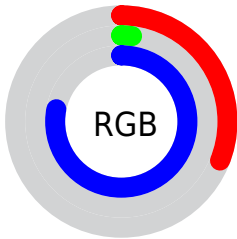
Format	Color
R _Y B	80, 5, 199
Decimal	5244359
CIE Lab	29.25, 66.91, -80.70
CIE LCh	29, 104.830, 309.664
Yxy	5.9376, 0.1847, 0.0802
Android (android.graphics.Color)	4283434439 (0xFF5005C7)
YUV	49.5410, 73.6833, 26.7125
Hunter-Lab	24.3672, 57.5030, -115.3677

Details

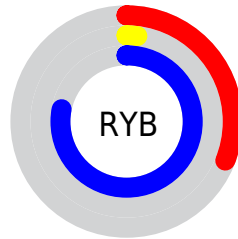
The YIQ color **49.5410, -17.5740, 76.2340** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **154.4590, 17.5740, -76.2340**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.5040, -16.1520, 72.4880**, and **16.3020, -45.9030, 44.4730** is the 20% darker color. If you saturate the color by 10%, you get **45.7090, -17.9870, 78.2130**, and if you desaturate by 10%, it is **64.8690, -15.9220, 68.3180**.

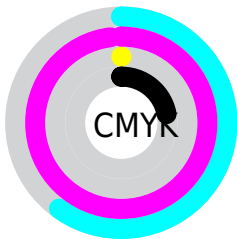
Distribution



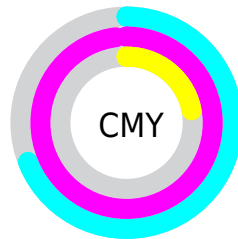
- Red (31%)
- Green (2%)
- Blue (78%)



- Red (31%)
- Yellow (2%)
- Blue (78%)



- Cyan (60%)
- Magenta (98%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (98%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.5410, -17.5740, 76.2340 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 49.5410, -17.5740, 76.2340 by changing the saturation by 10% instead.

■ 49.5410, -17.5740,
76.2340

■ 49.5410, -17.5740,
76.2340

■ 255.0000, -0.0000,
-0.0000

■ 32.0520, -29.8590,
62.0850

■ 113.8030,
-15.5560, 72.7000

■ 16.3020, -45.9030,
44.4730

■ 139.2090, -5.3760,
64.4160

■ 13.3380, -37.5570,
36.3870

■ 164.3270, 5.6750,
56.8670

■ 10.3740, -29.2110,
28.3010

■ 189.1460, 16.1300,
49.1060

■ 11.6330, -23.1110,
16.8650

■ 211.5620, 20.3500,
38.7020


■ 6.6630, -14.6280,
11.8040


■ 228.5850, 12.3750,


■ 2.9810, -7.0160,


23.5350


6.0080


 245.6080, 4.4000,
8.3680


 0.0000, 0.0000,
0.0000


 49.5410, -17.5740,
76.2340


 49.5410, -17.5740,
76.2340

 45.7090, -17.9870,
78.2130

 64.8690, -15.9220,
68.3180

 80.1970, -14.2700,
60.4020

 95.8240, -12.0220,
52.6980

 111.1520,
-10.3700, 44.7820

 125.8930, -8.4430,
37.3890

■ 141.2210, -6.7910,
29.4730

■ 156.5490, -5.1390,
21.5570

■ 172.1760, -2.8910,
13.8530

■ 187.5040, -1.2390,
5.9370

Harmonies

Analogous

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



72.2170, -97.2520, 33.4360



49.5410, -17.5740, 76.2340



66.9170, 63.2120, 76.9080

Triad

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



49.5410, -17.5740, 76.2340



61.1650, 65.5630, 6.7390



66.0080, -56.3450, -19.6170

Complementary

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



49.5410, -17.5740, 76.2340



154.4590, 17.5740, -76.2340

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.



53.4170, -25.0250, -47.5930



49.5410, -17.5740, 76.2340



62.2640, 15.7310, -26.2930

Square

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



49.5410, -17.5740, 76.2340



52.0260, 103.7040, 36.8880



51.0690, -23.9250, -45.5010



76.3020, -82.5750, 4.2170

Rectangle

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



49.5410, -17.5740, 76.2340



66.4420, 91.8700, 64.1420



51.0690, -23.9250, -45.5010



62.1150, -46.7610, -28.1130

Sweetspot

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



49.5410, -17.5740, 76.2340



198.1070, -6.4700, 29.1620



97.5560, -95.2740, -2.4260



93.2130, -4.3130, 17.5990



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.



49.5410, -17.5740, 76.2340



58.6710, -22.8510, 100.2930



78.2450, 39.6420, 96.5860



91.9230, -1.1010, 3.4350



37.4190, -14.7750, 64.0490



8.2900, -3.2120, 14.1640

Inverse Universe

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



76.5720, 77.4250, 78.1370



94.0290, 101.9040, 102.5760



125.7550, -39.6420, -96.5860



93.3750, 3.4380, 3.7740



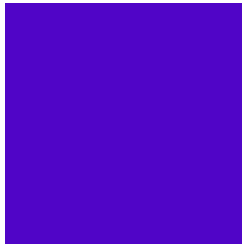
60.1370, 65.0480, 65.6560



13.2720, 14.3940, 14.4740

Previews

White Background



This preview shows how the YIQ color 49.5410, -17.5740, 76.2340 looks on a white background.

Color Contrast Check

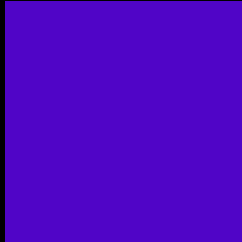
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5410, -17.5740, 76.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

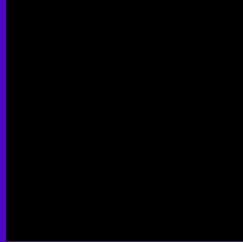
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.5410, -17.5740, 76.2340

Background



This preview shows how black text looks on a background with the YIQ color 49.5410, -17.5740, 76.2340.



This preview shows how white text looks on a background with the YIQ color 49.5410, -17.5740,

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

49.5410, -17.5740, 76.2340

Protanopia

56.2180, -64.6030, 8.9090

Deuteranopia

56.7590, -59.2370, -0.2370



Tritanopia

62.2500, -33.2390, -8.8470

Trichromacy



Original Color

49.5410, -17.5740, 76.2340

Protanomaly

53.6680, -47.4140, 33.3060

Deuteranomaly

53.9470, -44.0660, 27.6940

Tritanomaly

57.7560, -27.6510, 22.0530

Monochromacy



Original Color

49.5410, -17.5740, 76.2340

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

50.0530, -6.3780, 27.4940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.5410, -17.5740, 76.2340 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(80, 5, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 5, 199)  
}
```

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(80, 5, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 5, 199) }
```

Border

The CSS property to change the border of an element to YIQ 49.5410, -17.5740, 76.2340 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(80, 5, 199) }
```


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

```
.border{ border-color:rgb(80, 5, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 5, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 5, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 5, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 5, 199)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.5410, -17.5740, 76.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 5, 199) }
```

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

```
.background{ background-color: rgb(80, 5,  
199) }
```

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