

Converting Colors

YIQ(46.7220, -37.1970, 73.9310)

Have a look what the booklet for
YIQ(46.7220, -37.1970, 73.9310)
contains.

YIQ(46.7220, -37.1970, 73.9310)	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(46.7220, -37.1970,
73.9310)**

Conversions

Conversions Part 1

Format	Color
Hex	3909D6
RGB	57, 9, 214
RGB Percent	22%, 4%, 84%
CMY	0.7762, 0.9648, 0.1611
CMYK	0.73, 0.96, 0.00, 0.16
HSL	254°, 92%, 44%
HSV	254°, 96%, 84%
XYZ	13.9160, 5.9177, 63.9748
YIQ	46.7220, -37.1970, 73.9310

Conversions

Conversions Part 2

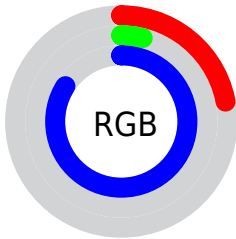
Format	Color
R _Y B	57, 9, 214
Decimal	3738070
CIE Lab	29.20, 68.68, -89.57
CIE LCh	29, 112.877, 307.481
Yxy	5.9177, 0.1660, 0.0706
Android (android.graphics.Color)	4281928150 (0xFF3909D6)
YUV	46.7220, 82.4681, 9.0138
Hunter-Lab	24.3263, 59.5409, -138.8964

Details

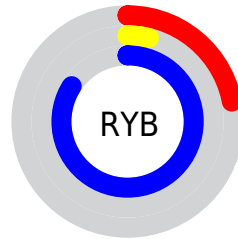
The YIQ color **46.7220, -37.1970, 73.9310** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **176.2780, 37.1970, -73.9310**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **110.2040, -24.1750, 69.2090**, and **17.8980, -50.3970, 48.8270** is the 20% darker color. If you saturate the color by 10%, you get **39.3460, -38.8940, 77.1540**, and if you desaturate by 10%, it is **63.8330, -33.4360, 66.3400**.

Distribution



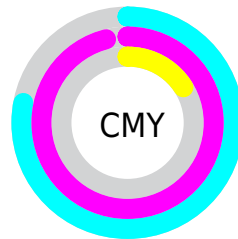
- Red (22%)
- Green (4%)
- Blue (84%)



- Red (22%)
- Yellow (4%)
- Blue (84%)



- Cyan (73%)
- Magenta (96%)
- Yellow (0%)
- Black (16%)



- Cyan (78%)
- Magenta (96%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.7220, -37.1970, 73.9310 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 46.7220, -37.1970, 73.9310 by changing the saturation by 10% instead.

■ 46.7220, -37.1970,
73.9310

■ 46.7220, -37.1970,
73.9310

■ 255.0000, -0.0000,
-0.0000

■ 21.0900, -59.3850,
57.5350

■ 110.2040,
-24.1750, 69.2090

■ 17.8980, -50.3970,
48.8270

■ 135.6210,
-12.5280, 61.8720

■ 14.8200, -41.7300,
40.4300

■ 160.7390, -1.4770,
54.3230

■ 12.4430, -33.6590,
31.8210

■ 186.1560, 10.1700,
46.9860

■ 14.8760, -28.1090,
19.3390

■ 211.5620, 20.3500,
38.7020


■ 9.2050, -19.0300,
14.4900


■ 228.5850, 12.3750,


■ 4.8220, -10.8220,


23.5350


8.9060


 245.6080, 4.4000,
8.3680


 0.5700, -1.6050,
1.5550


 0.0000, 0.0000,
0.0000


 46.7220, -37.1970,
73.9310


 46.7220, -37.1970,
73.9310

 39.3460, -38.8940,
77.1540

 63.8330, -33.4360,
66.3400

 81.8300, -29.3540,
58.4380

 98.9410, -25.5930,
50.8470

 116.9380,
-21.5110, 42.9450

■ 134.0490,
-17.7500, 35.3540

■ 151.1600,
-13.9890, 27.7630

■ 169.1570, -9.9070,
19.8610

■ 186.2680, -6.1460,
12.2700

■ 203.3790, -2.3850,
4.6790

Harmonies

Analogous

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



76.2750, -103.1670, 36.0090



46.7220, -37.1970, 73.9310



68.9540, 61.7900, 80.6540

Triad

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



46.7220, -37.1970, 73.9310



56.8010, 72.7600, 13.9760



65.4380, -54.7400, -21.1720

Complementary

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



46.7220, -37.1970, 73.9310



176.2780, 37.1970, -73.9310

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.



54.0040, -25.3000, -48.1160



46.7220, -37.1970, 73.9310



62.8730, 18.3900, -24.9220

Square

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



46.7220, -37.1970, 73.9310



54.7170, 109.0680, 38.7960



51.0690, -23.9250, -45.5010



77.1170, -83.4920, 4.3160

Rectangle

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



46.7220, -37.1970, 73.9310



69.6320, 94.3910, 68.0150



51.0690, -23.9250, -45.5010



61.3170, -44.5140, -30.2900

Sweetspot

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



46.7220, -37.1970, 73.9310



194.5190, -13.6220, 26.6180



124.5290, -108.9800, -18.3560



91.1200, -8.4850, 16.1150



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.



46.7220, -37.1970, 73.9310



47.0100, -46.0950, 92.0250



77.2200, 23.5950, 95.5550



98.1510, -1.7430, 4.0570



31.4540, -31.0510, 61.6610



7.8920, -7.8430, 15.4930

Inverse Universe

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



88.1930, 71.7830, 92.2870



98.4750, 89.3850, 114.7050



145.7800, -23.5950, -95.5550



100.3150, 3.6670, 5.1310



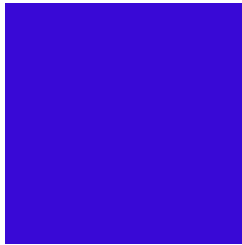
66.0630, 59.8650, 76.9930



16.6190, 15.0350, 19.3790

Previews

White Background



This preview shows how the YIQ color 46.7220, -37.1970, 73.9310 looks on a white background.

Color Contrast Check

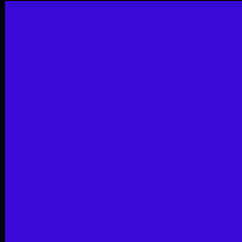
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7220, -37.1970, 73.9310 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 46.7220, -37.1970, 73.9310

Background



This preview shows how black text looks on a background with the YIQ color 46.7220, -37.1970, 73.9310.



This preview shows how white text looks on a background with the YIQ color 46.7220, -37.1970,

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

46.7220, -37.1970, 73.9310

Protanopia

55.4030, -63.6860, 8.8100

Deuteranopia

55.9440, -58.3200, -0.3360



Tritanopia

54.5470, -47.4970, -14.7690

Trichromacy



Original Color

46.7220, -37.1970, 73.9310

Protanomaly

52.4330, -54.0620, 32.6420

Deuteranomaly

52.5980, -50.3930, 26.7190

Tritanomaly

51.6230, -43.5140, 17.6860

Monochromacy



Original Color

46.7220, -37.1970, 73.9310

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.9320, -13.3470, 27.1410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.7220, -37.1970, 73.9310 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(57, 9, 214)` looks like.

```
.text, #text, p{  
    color:rgb(57, 9, 214)  
}
```

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(57, 9, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 9, 214) }
```

Border

The CSS property to change the border of an element to YIQ 46.7220, -37.1970, 73.9310 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(57, 9, 214) }
```


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

```
.border{ border-color:rgb(57, 9, 214) }
```

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

Here you see how a box with a 4 pixel rgb(57, 9, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 9, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 9, 214);  
box-shadow:4px 4px 4px 4px rgb(57, 9, 214)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.7220, -37.1970, 73.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 9, 214) }
```

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

```
.background{ background-color: rgb(57, 9,  
214) }
```

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