

Converting Colors

YIQ(69.4540, -66.5820, 50.2980)

Have a look what the booklet for
YIQ(69.4540, -66.5820, 50.2980)
contains.

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Color

**YIQ(69.4540, -66.5820,
50.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	2537E5
RGB	37, 55, 229
RGB Percent	15%, 22%, 90%
CMY	0.8548, 0.7843, 0.1024
CMYK	0.84, 0.76, 0.00, 0.10
HSL	234°, 79%, 52%
HSV	234°, 84%, 90%
XYZ	16.2588, 8.7782, 74.8917
YIQ	69.4540, -66.5820, 50.2980

Conversions

Conversions Part 2

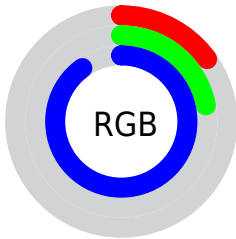
Format	Color
R _Y B	37, 53, 229
Decimal	2439141
CIE Lab	35.55, 55.34, -87.66
CIE LCh	36, 103.667, 302.266
Yxy	8.7782, 0.1627, 0.0878
Android (android.graphics.Color)	4280629221 (0xFF2537E5)
YUV	69.4540, 78.6562, -28.4622
Hunter-Lab	29.6281, 46.1050, -129.1294




Details

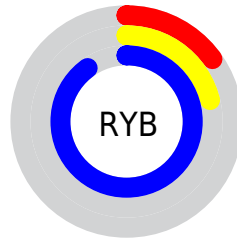
The YIQ color **69.4540, -66.5820, 50.2980** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **196.5460, 66.5820, -50.2980**, and the grayscale version is **69.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **125.9980, -38.9350, 50.3530**, and **24.3040, -57.4120, 49.3080** is the 20% darker color. If you saturate the color by 10%, you get **50.2500, -74.5150, 56.4050**, and if you desaturate by 10%, it is **88.6580, -58.6490, 44.1910**.

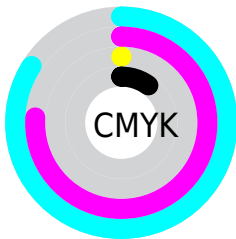
Distribution







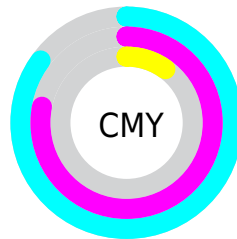
-  Red (15%)
-  Green (22%)
-  Blue (90%)






-  Red (15%)
-  Yellow (21%)
-  Blue (90%)



-  Cyan (84%)
-  Magenta (76%)
-  Yellow (0%)
-  Black (10%)



-  Cyan (85%)
-  Magenta (78%)
-  Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 69.4540, -66.5820, 50.2980 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 69.4540, -66.5820, 50.2980 by changing the saturation by 10% instead.

■ 69.4540, -66.5820,
50.2980

■ 69.4540, -66.5820,
50.2980

■ 255.0000, -0.0000,
-0.0000

■ 41.5840, -73.0000,
45.4640

■ 125.9980,
-38.9350, 50.3530

■ 24.3040, -57.4120,
49.3080

■ 151.1270,
-26.4170, 43.7510

■ 16.4160, -46.2240,
44.7840

■ 175.9570,
-14.4950, 36.9370

■ 13.4520, -37.8780,
36.6980

■ 201.9610, -3.1230,
29.0770

■ 18.1190, -33.1070,
21.8130

■ 227.6660, 7.6530,
21.0050

■ 11.7470, -23.4320,
17.1760

■ 246.1950, 4.1250,

■ 6.7770, -14.9490,

7.8450

12.1150

■ 3.0950, -7.3370,
6.3190

■ 0.0000, 0.0000,
0.0000

■ 69.4540, -66.5820,
50.2980

■ 69.4540, -66.5820,
50.2980

■ 50.2500, -74.5150,
56.4050

■ 88.6580, -58.6490,
44.1910

■ 38.4330, -79.2840,
60.2360

■ 107.2750,
-50.4410, 38.6070

■ 126.4790,
-42.5080, 32.5000

■ 145.6830,
-34.5750, 26.3930

■ 164.5880,
-27.2380, 20.0740

■ 183.2050,
-19.0300, 14.4900

■ 202.4090,
-11.0970, 8.3830

■ 221.6130, -3.1640,
2.2760

■ 240.8170, 4.7690,
-3.8310

Harmonies

Analogous

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



86.0090, -108.5300, 28.5740



69.4540, -66.5820, 50.2980



72.1030, 54.3610, 88.6410

Triad

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



69.4540, -66.5820, 50.2980



69.5590, 85.1850, 14.5690



74.6020, -58.4980, -30.1620

Complementary

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



69.4540, -66.5820, 50.2980



196.5460, 66.5820, -50.2980

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



69.4540, -66.5820, 50.2980



78.3110, 34.7120, -23.3680

Square

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



69.4540, -66.5820, 50.2980



60.6970, 120.9880, 43.0360



59.2870, -27.7750, -52.8230



85.9390, -86.2870, -5.6070

Rectangle

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



69.4540, -66.5820, 50.2980



74.9170, 89.5750, 78.2070



59.2870, -27.7750, -52.8230



71.2960, -49.1890, -39.1810

Sweetspot

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



69.4540, -66.5820, 50.2980



201.8180, -22.1940, 16.7660



169.4260, -108.3330, -46.6130



95.7940, -13.6190, 10.0370



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.



69.4540, -66.5820, 50.2980



43.1580, -88.4550, 66.7530



81.9110, -15.7400, 76.0360



104.9550, -4.1270, 3.2090



30.3850, -62.1340, 46.7780



8.7490, -17.7460, 13.2460

Inverse Universe

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



96.4600, 108.6540, 46.3020



78.9810, 144.2760, 61.5240



184.0890, 15.7400, -76.0360



106.7020, 6.8310, 2.8550



55.4590, 101.2270, 43.2350



15.8190, 28.7910, 12.3670

Previews

White Background



This preview shows how the YIQ color 69.4540, -66.5820, 50.2980 looks on a white background.

Color Contrast Check

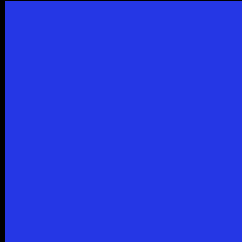
Large Text (above 18pt) WCAG AA ✓ Pass

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 69.4540, -66.5820, 50.2980 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 69.4540, -66.5820, 50.2980

Background



This preview shows how black text looks on a background with the YIQ color 69.4540, -66.5820, 50.2980.



This preview shows how white text looks on a background with the YIQ color 69.4540, -66.5820,

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

69.4540, -66.5820, 50.2980

Protanopia

66.1120, -75.9280, 10.4080

Deuteranopia

66.1970, -69.2780, 0.0180



Tritanopia

65.0620, -56.4370, -17.9490

Trichromacy



Original Color

69.4540, -66.5820, 50.2980

Protanomaly

67.2240, -72.7670, 24.7130

Deuteranomaly

67.1610, -68.4560, 18.1680

Tritanomaly

66.7900, -60.5220, 6.5340

Monochromacy



Original Color

69.4540, -66.5820, 50.2980

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.0890, -24.3950, 18.1090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 69.4540, -66.5820, 50.2980 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(37, 55, 229)` looks like.

```
.text, #text, p{  
    color:rgb(37, 55, 229)  
}
```

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(37, 55, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 55, 229) }
```

Border

The CSS property to change the border of an element to YIQ 69.4540, -66.5820, 50.2980 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(37, 55, 229) }
```


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

```
.border{ border-color:rgb(37, 55, 229) }
```

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

Here you see how a box with a 4 pixel rgb(37, 55, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 55, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 55, 229);  
box-shadow:4px 4px 4px 4px rgb(37, 55,  
229) }
```

Background

The CSS property to change the background color of an element to YIQ 69.4540, -66.5820, 50.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 55, 229) }
```

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

```
.background{ background-color: rgb(37, 55,  
229) }
```

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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