

Converting Colors

YIQ(63.6680, -37.1050, 72.2630)

Have a look what the booklet for
YIQ(63.6680, -37.1050, 72.2630)
contains.

YIQ(63.6680, -37.1050, 72.2630)	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(63.6680, -37.1050,
72.2630)**

Conversions

Conversions Part 1	
Format	Color
Hex	491BE4
RGB	73, 27, 228
RGB Percent	29%, 11%, 89%
CMY	0.7135, 0.8942, 0.1062
CMYK	0.68, 0.88, 0.00, 0.11
HSL	254°, 79%, 50%
HSV	254°, 88%, 89%
XYZ	17.1366, 7.7990, 73.9447
YIQ	63.6680, -37.1050, 72.2630

Conversions

Conversions Part 2

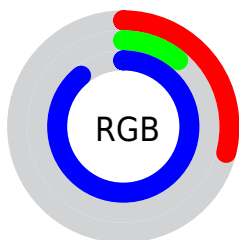
Format	Color
RYB	73, 27, 228
Decimal	4791268
CIELab	33.56, 68.84, -90.35
CIELCh	34, 113.587, 307.306
Yxy	7.7990, 0.1733, 0.0789
Android (android.graphics.Color)	4282981348 (0xFF491BE4)
YUV	63.6680, 81.0157, 8.1842
Hunter-Lab	27.9266, 60.6611, -137.4408

Details

The YIQ color **63.6680, -37.1050, 72.2630** 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 **191.3320, 37.1050, -72.2630**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.8360, -20.3230, 65.4770**, and **19.4940, -54.8910, 53.1810** is the 20% darker color. If you saturate the color by 10%, you get **45.0840, -40.9120, 80.6880**, and if you desaturate by 10%, it is **82.5510, -32.7020, 64.0500**.

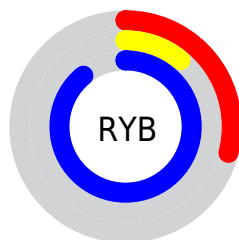
Distribution



Red (29%)

Green (11%)

Blue (89%)



Red (29%)

Yellow (11%)

Blue (89%)

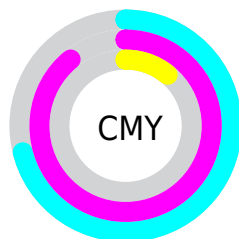


Cyan (68%)

Magenta (88%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (89%)


Yellow (11%)


Brightness & Saturation

Gradients


These gradients show how the YIQ color 63.6680, -37.1050, 72.2630 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 63.6680, -37.1050, 72.2630 by changing the saturation by 10% instead.


 63.6680, -37.1050,
72.2630

 63.6680, -37.1050,
72.2630


 255.0000, -0.0000,
-0.0000

 28.3670, -52.5550,
65.9170


 120.8360,
-20.3230, 65.4770


 19.4940, -54.8910,
53.1810


 145.6660, -8.4010,
58.6630


 16.3020, -45.9030,
44.4730


 171.6700, 2.9710,
50.8030

 13.2240, -37.2360,
36.0760

 196.7880, 14.0220,
43.2540

 18.0050, -32.7860,
21.5020

 218.6060, 17.0500,
32.4260

 11.6330, -23.1110,
16.8650

 235.6290, 9.0750,

 6.6630, -14.6280,

17.2590

11.8040

253.2390, 0.8250,
1.5690

2.9810, -7.0160,
6.0080

0.0000, 0.0000,
0.0000

63.6680, -37.1050,
72.2630

63.6680, -37.1050,
72.2630

45.0840, -40.9120,
80.6880

82.5510, -32.7020,
64.0500

41.5400, -42.1960,
81.9320

101.1350,
-28.8950, 55.6250

119.4310,
-24.2170, 47.9350

138.0150,
-20.4100, 39.5100

■ 156.8980,
-16.0070, 31.2970

■ 175.4820,
-12.2000, 22.8720

■ 194.3650, -7.7970,
14.6590

■ 212.6610, -3.1190,
6.9690

■ 231.2450, 0.6880,
-1.4560

Harmonies

Analogous

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



81.9000, -106.6050, 32.2350



63.6680, -37.1050, 72.2630



74.6220, 65.9610, 87.6650

Triad

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



63.6680, -37.1050, 72.2630



67.4440, 78.0790, 11.1910



73.6220, -61.2500, -24.3380

Complementary

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



63.6680, -37.1050, 72.2630



191.3320, 37.1050, -72.2630

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.



61.0480, -28.6000, -54.3920



63.6680, -37.1050, 72.2630



72.3310, 22.7920, -27.6080

Square

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



63.6680, -37.1050, 72.2630



59.5010, 118.6040, 42.1880



58.1130, -27.2250, -51.7770



85.6430, -90.9650, 2.0830

Rectangle

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



63.6680, -37.1050, 72.2630



75.3710, 99.8000, 74.6160



58.1130, -27.2250, -51.7770



69.3870, -50.7030, -33.7670

Sweetspot

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



63.6680, -37.1050, 72.2630



201.0090, -12.2460, 23.7060



142.0730, -107.6960, -19.6000



95.2510, -7.4760, 14.3480



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.



63.6680, -37.1050, 72.2630



46.4120, -47.2870, 91.6010



92.9700, 21.3030, 93.0390



105.2650, -2.0640, 4.3680



32.6650, -33.0230, 64.3610



9.4020, -9.2190, 18.4050

Inverse Universe

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



104.7690, 70.0410, 90.8170



98.7030, 88.7430, 115.3270



162.0300, -21.3030, -93.0390



107.6140, 4.2630, 5.3430



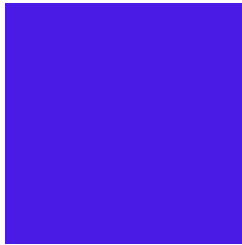
69.2530, 62.3860, 80.8660



19.6950, 17.8770, 22.9410

Previews

White Background



This preview shows how the YIQ color 63.6680, -37.1050, 72.2630 looks on a white background.

Color Contrast Check

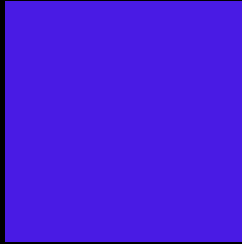
Large Text (above 18pt) WCAG AA ✓ Pass

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 63.6680, -37.1050, 72.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

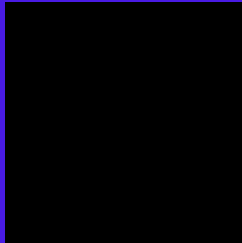
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.6680, -37.1050, 72.2630

Background



This preview shows how black text looks on a background with the YIQ color 63.6680, -37.1050, 72.2630.



This preview shows how white text looks on a background with the YIQ color 63.6680, -37.1050,

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

63.6680, -37.1050, 72.2630

Protanopia

62.8520, -72.2600, 10.0120

Deuteranopia

63.0510, -65.9310, -0.0670



Tritanopia

62.2580, -54.0530, -17.1010

Trichromacy



Original Color

63.6680, -37.1050, 72.2630



Protanomaly

63.2090, -59.2430, 32.9250



Deuteranomaly

63.1460, -54.9320, 26.3800



Tritanomaly

63.0030, -47.6400, 15.3680

Monochromacy



Original Color

63.6680, -37.1050, 72.2630



Achromatopsia

64.0000, -0.0000, -0.0000



Achromatomaly

64.1060, -13.8970, 26.0950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.6680, -37.1050, 72.2630 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(73, 27, 228)` looks like.

```
.text, #text, p{  
    color:rgb(73, 27, 228)  
}
```

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(73, 27, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 27, 228) }
```

Border

The CSS property to change the border of an element to YIQ 63.6680, -37.1050, 72.2630 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(73, 27, 228) }
```


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

```
.border{ border-color:rgb(73, 27, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 27, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 27, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 27, 228);  
box-shadow:4px 4px 4px 4px rgb(73, 27,  
228) }
```

Background

The CSS property to change the background color of an element to YIQ 63.6680, -37.1050, 72.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 27, 228) }
```

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

```
.background{ background-color: rgb(73, 27,  
228) }
```

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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