

Converting Colors

YIQ(76.8370, -6.0100, 20.8220)

Have a look what the booklet for
YIQ(76.8370, -6.0100, 20.8220)
contains.

YIQ(76.8370, -6.0100, 20.8220)	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(76.8370, -6.0100,
20.8220)**

Conversions

Conversions Part 1

Format	Color
Hex	544177
RGB	84, 65, 119
RGB Percent	33%, 25%, 47%
CMY	0.6705, 0.7451, 0.5334
CMYK	0.29, 0.45, 0.00, 0.53
HSL	261°, 29%, 36%
HSV	261°, 45%, 47%
XYZ	8.8766, 6.9969, 18.3302
YIQ	76.8370, -6.0100, 20.8220

Conversions

Conversions Part 2

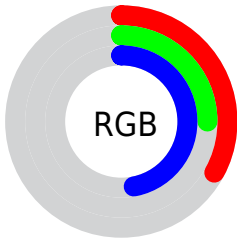
Format	Color
R_YB	84, 65, 119
Decimal	5521783
CIE Lab	31.80, 20.82, -28.02
CIE LCh	32, 34.905, 306.609
Yxy	6.9969, 0.2595, 0.2046
Android (android.graphics.Color)	4283711863 (0xFF544177)
YUV	76.8370, 20.7864, 6.2820
Hunter-Lab	26.4517, 13.6098, -22.5698

Details

The YIQ color **76.8370, -6.0100, 20.8220** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **107.1630, 6.0100, -20.8220**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.3040, -5.8270, 23.0130**, and **31.6580, -7.0640, 17.8960** is the 20% darker color. If you saturate the color by 10%, you get **67.4010, -7.4780, 25.4020**, and if you desaturate by 10%, it is **86.2730, -4.5420, 16.2420**.

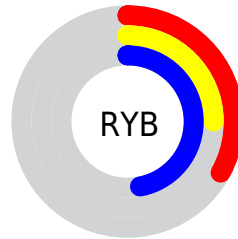
Distribution



 Red (33%)

 Green (25%)

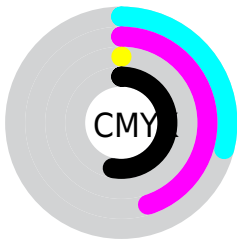
 Blue (47%)




 Red (33%)

 Yellow (25%)

 Blue (47%)

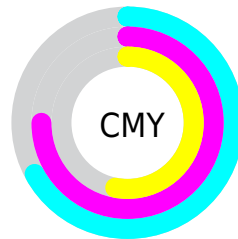



 Cyan (29%)


 Magenta (45%)

 Yellow (0%)

 Black (53%)



 Cyan (67%)

 Magenta (75%)

 Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.8370, -6.0100, 20.8220 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 76.8370, -6.0100, 20.8220 by changing the saturation by 10% instead.

■ 76.8370, -6.0100,
20.8220

■ 76.8370, -6.0100,
20.8220

■ 255.0000, -0.0000,
-0.0000

■ 53.8970, -6.2390,
19.4650

■ 126.3040, -5.8270,
23.0130

■ 31.6580, -7.0640,
17.8960

■ 152.7170, -5.5520,
23.5360

■ 10.5550, -5.2760,
18.5320

■ 179.2440, -5.5980,
24.3700

■ 3.5510, -8.6210,
7.5630

■ 206.6570, -5.3230,
24.8930

■ 0.0000, 0.0000,
0.0000

■ 231.7640, 4.2610,
16.3970

■ 251.4780, 1.6500,

3.1380

■ 76.8370, -6.0100,
20.8220

■ 76.8370, -6.0100,
20.8220

■ 67.4010, -7.4780,
25.4020

■ 86.2730, -4.5420,
16.2420

■ 58.2640, -8.3500,
30.1940

■ 95.4100, -3.6700,
11.4500

■ 48.8280, -9.8180,
34.7740

■ 104.8460, -2.2020,
6.8700

■ 39.3920, -11.2860,
39.3540

■ 114.2820, -0.7340,
2.2900

■ 30.5430, -13.0290,
43.4110

■ 123.1310, 1.0090,
-1.7670

■ 26.1240, -13.1670,
45.9130

■ 132.2680, 1.8810,
-6.5590

■ 141.7040, 3.3490,
-11.1390

■ 151.1400, 4.8170,
-15.7190

■ 160.2770, 5.6890,
-20.5110

Harmonies

Analogous

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



67.6900, -45.6210, 6.3070



76.8370, -6.0100, 20.8220



76.5430, 21.3610, 25.8810

Triad

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



76.8370, -6.0100, 20.8220



72.7700, 38.5140, -4.1580



60.7760, -49.8800, -21.1440

Complementary

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



76.8370, -6.0100, 20.8220



107.1630, 6.0100, -20.8220

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.



57.2960, -40.0210, -29.1170



76.8370, -6.0100, 20.8220



70.8510, 24.6240, -16.7520

Square

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



76.8370, -6.0100, 20.8220



73.4800, 42.8670, 10.5710



67.7710, 1.2420, -22.5180



63.2670, -58.2720, -12.2240

Rectangle

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



76.8370, -6.0100, 20.8220



74.8340, 33.6030, 24.2830



67.7710, 1.2420, -22.5180



59.7500, -46.9910, -23.9430

Sweetspot

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



76.8370, -6.0100, 20.8220



138.6010, -2.8900, 8.3260



91.7010, -26.9590, -1.5110



68.6780, -1.7890, 4.8910



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8370, -6.0100, 20.8220



90.2470, -9.6800, 32.2720



84.9100, 10.0820, 26.5460



54.2820, -0.7340, 2.2900



26.7650, -13.5340, 47.0580



54.8120, -27.8020, 96.4060

Inverse Universe

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



85.1360, 20.9490, 22.3330



103.2720, 32.7300, 34.6020



99.0900, -10.0820, -26.5460



55.2500, 2.2920, 2.5160



45.4840, 47.3530, 50.4330



93.2180, 96.9980, 103.3820

Previews

White Background



This preview shows how the YIQ color 76.8370, -6.0100, 20.8220 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 76.8370, -6.0100, 20.8220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

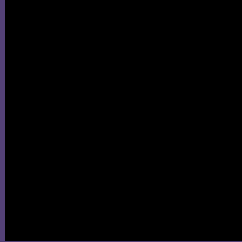
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.8370, -6.0100, 20.8220

Background



This preview shows how black text looks on a background with the YIQ color 76.8370, -6.0100, 20.8220.



This preview shows how white text looks on a background with the YIQ color 76.8370, -6.0100,

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

76.8370, -6.0100, 20.8220

Protanopia

72.8770, -29.8500, 12.3420

Deuteranopia

73.2100, -26.5940, 8.3980



Tritanopia

75.2820, -0.7340, 2.2900

Trichromacy



Original Color

76.8370, -6.0100, 20.8220

Protanomaly

74.3620, -20.9100, 15.5220

Deuteranomaly

74.2650, -19.2590, 13.1330

Tritanomaly

76.0140, -2.6150, 8.8490

Monochromacy



Original Color

76.8370, -6.0100, 20.8220

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.2590, -1.9270, 7.3930

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.8370, -6.0100, 20.8220 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(84, 65, 119)` looks like.

```
.text, #text, p{  
    color:rgb(84, 65, 119)  
}
```

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(84, 65, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 65, 119) }
```

Border

The CSS property to change the border of an element to YIQ 76.8370, -6.0100, 20.8220 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(84, 65, 119) }
```


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

```
.border{ border-color:rgb(84, 65, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 65, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 65, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 65, 119);  
box-shadow:4px 4px 4px 4px rgb(84, 65,  
119) }
```

Background

The CSS property to change the background color of an element to YIQ 76.8370, -6.0100, 20.8220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 65, 119) }
```

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

```
.background{ background-color: rgb(84, 65,  
119) }
```

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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