

Converting Colors

YIQ(82.7610, -51.2690, 53.6190)

Have a look what the booklet for
YIQ(82.7610, -51.2690, 53.6190)
contains.

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Color

**YIQ(82.7610, -51.2690,
53.6190)**

Conversions

Conversions Part 1

Format	Color
Hex	433EE7
RGB	67, 62, 231
RGB Percent	26%, 24%, 91%
CMY	0.7371, 0.7569, 0.0945
CMYK	0.71, 0.73, 0.00, 0.09
HSL	242°, 78%, 57%
HSV	242°, 73%, 91%
XYZ	18.4511, 10.4041, 76.5739
YIQ	82.7610, -51.2690, 53.6190

Conversions

Conversions Part 2

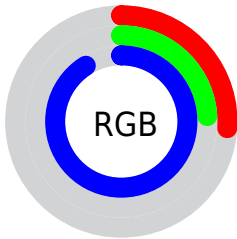
Format	Color
R _Y B	67, 62, 231
Decimal	4407015
CIE Lab	38.56, 54.35, -83.79
CIE LCh	39, 99.872, 302.967
Yxy	10.4041, 0.1750, 0.0987
Android (android.graphics.Color)	4282597095 (0xFF433EE7)
YUV	82.7610, 73.0818, -13.8224
Hunter-Lab	32.2554, 45.6604, -118.1748

Details

The YIQ color **82.7610, -51.2690, 53.6190** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **210.2390, 51.2690, -53.6190**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **135.7770, -31.0030, 49.7730**, and **28.0540, -59.7040, 46.7920** is the 20% darker color. If you saturate the color by 10%, you get **62.6820, -58.0560, 60.9840**, and if you desaturate by 10%, it is **102.8400, -44.4820, 46.2540**.

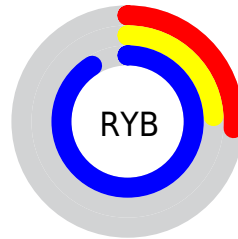
Distribution



Red (26%)

Green (24%)

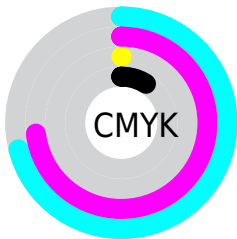
Blue (91%)



Red (26%)

Yellow (24%)

Blue (91%)

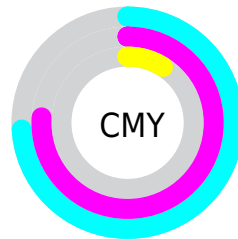


Cyan (71%)

Magenta (73%)

Yellow (0%)

Black (9%)



Cyan (74%)

Magenta (76%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 82.7610, -51.2690, 53.6190 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 82.7610, -51.2690, 53.6190 by changing the saturation by 10% instead.

■ 82.7610, -51.2690,
53.6190

■ 82.7610, -51.2690,
53.6190

■ 255.0000, -0.0000,
-0.0000

■ 45.6330, -74.6960,
43.1600

■ 135.7770,
-31.0030, 49.7730

■ 28.0540, -59.7040,
46.7920

■ 160.3080,
-19.6770, 42.7470

■ 16.6440, -46.8660,
45.4060

■ 185.7250, -8.0300,
35.4100

■ 13.6800, -38.5200,
37.3200

■ 210.8430, 3.0210,
27.8610

■ 16.5860, -32.9240,
24.0040

■ 234.4550, 9.6250,
18.3050

■ 12.5620, -24.3490,
17.2750

■ 251.4780, 1.6500,

■ 7.0050, -15.5910,

3.1380

12.7370

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 82.7610, -51.2690,
53.6190

■ 82.7610, -51.2690,
53.6190

■ 62.6820, -58.0560,
60.9840

■ 102.8400,
-44.4820, 46.2540

■ 42.3040, -65.4390,
68.1370

■ 123.2180,
-37.0990, 39.1010

■ 28.4270, -69.9790,
73.3250

■ 143.2970,
-30.3120, 31.7360

■ 163.6750,
-22.9290, 24.5830

■ 183.7540,
-16.1420, 17.2180

■ 204.4200, -9.6300,
9.3300

■ 224.7980, -2.2470,
2.1770

■ 244.8770, 4.5400,
-5.1880

■ 252.2640, 7.7040,
-7.4640

Harmonies

Analogous

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



88.9440, -109.9050, 25.9590



82.7610, -51.2690, 53.6190



74.8370, 58.1660, 91.2700

Triad

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



82.7610, -51.2690, 53.6190



79.2830, 85.7820, 9.2540



80.3240, -63.5870, -31.5470

Complementary

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



82.7610, -51.2690, 53.6190



210.2390, 51.2690, -53.6190

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.



67.5050, -31.6250, -60.1450



82.7610, -51.2690, 53.6190



84.8120, 37.5550, -25.3330

Square

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



82.7610, -51.2690, 53.6190



63.0610, 122.9590, 45.8630



63.9830, -29.9750, -57.0070



90.8460, -90.4590, -7.0910

Rectangle

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



82.7610, -51.2690, 53.6190



77.2810, 91.5460, 81.0340



63.9830, -29.9750, -57.0070



77.1320, -54.5990, -40.2550

Sweetspot

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



82.7610, -51.2690, 53.6190



205.9820, -16.7840, 17.8400



178.7080, -99.8990, -34.2590



98.1750, -10.3180, 10.7860



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.



82.7610, -51.2690, 53.6190



58.3300, -68.3280, 70.9360



107.2790, -2.3970, 71.0030



104.6670, -3.2560, 3.9440



21.9010, -54.4790, 56.7290



6.4120, -15.1790, 16.2850

Inverse Universe

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



131.2270, 48.0800, 86.8320



122.7140, 63.8470, 114.9750



185.7210, 2.3970, -71.0030



107.8420, 3.6210, 5.9650



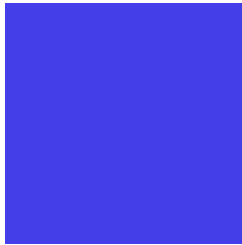
73.2430, 51.1510, 91.7510



20.8350, 14.6670, 26.0510

Previews

White Background



This preview shows how the YIQ color 82.7610, -51.2690, 53.6190 looks on a white background.

Color Contrast Check

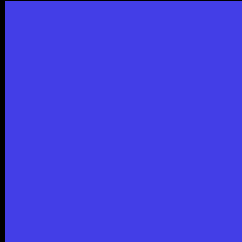
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 82.7610, -51.2690, 53.6190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 82.7610, -51.2690, 53.6190

Background



This preview shows how black text looks on a background with the YIQ color 82.7610, -51.2690, 53.6190.



This preview shows how white text looks on a background with the YIQ color 82.7610, -51.2690,

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

82.7610, -51.2690, 53.6190

Protanopia

71.9310, -82.6680, 11.4120

Deuteranopia

72.3750, -75.6510, -0.1230



Tritanopia

70.7840, -61.5260, -19.3340

Trichromacy



Original Color

82.7610, -51.2690, 53.6190

Protanomaly

75.7620, -71.3460, 26.4940

Deuteranomaly

76.1720, -66.9890, 19.1150

Tritanomaly

74.8720, -57.8170, 7.0710

Monochromacy



Original Color

82.7610, -51.2690, 53.6190

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.6660, -18.7100, 19.7060

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.7610, -51.2690, 53.6190 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(67, 62, 231)` looks like.

```
.text, #text, p{  
    color:rgb(67, 62, 231)  
}
```

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(67, 62, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 62, 231) }
```

Border

The CSS property to change the border of an element to YIQ 82.7610, -51.2690, 53.6190 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(67, 62, 231) }
```


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

```
.border{ border-color:rgb(67, 62, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 62, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 62, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 62, 231);  
box-shadow:4px 4px 4px 4px rgb(67, 62,  
231) }
```

Background

The CSS property to change the background color of an element to YIQ 82.7610, -51.2690, 53.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 62, 231) }
```

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

```
.background{ background-color: rgb(67, 62,  
231) }
```

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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