

Converting Colors

YIQ(83.8430, -49.7050, 25.2630)

Have a look what the booklet for
YIQ(83.8430, -49.7050, 25.2630)
contains.

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Color

**YIQ(83.8430, -49.7050,
25.2630)**

Conversions

Conversions Part 1

Format	Color
Hex	3451B6
RGB	52, 81, 182
RGB Percent	20%, 32%, 71%
CMY	0.7961, 0.6823, 0.2865
CMYK	0.71, 0.55, 0.00, 0.29
HSL	227°, 56%, 46%
HSV	227°, 71%, 71%
XYZ	12.7957, 9.9912, 45.4720
YIQ	83.8430, -49.7050, 25.2630

Conversions

Conversions Part 2

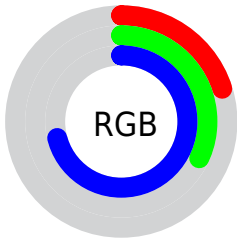
Format	Color
R_{YB}	52, 76, 182
Decimal	3428790
CIE _{Lab}	37.83, 24.25, -56.69
CIE _{LCh}	38, 61.657, 293.157
Yxy	9.9912, 0.1875, 0.1464
Android (android.graphics.Color)	4281618870 (0xFF3451B6)
YUV	83.8430, 48.3914, -27.9263
Hunter-Lab	31.6089, 16.9435, -63.1673

Details

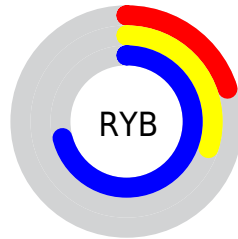
The YIQ color **83.8430, -49.7050, 25.2630** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **150.1570, 49.7050, -25.2630**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **137.9410, -43.9290, 30.7190**, and **36.3110, -51.2630, 20.4570** is the 20% darker color. If you saturate the color by 10%, you get **70.2430, -56.5830, 28.7690**, and if you desaturate by 10%, it is **97.4430, -42.8270, 21.7570**.

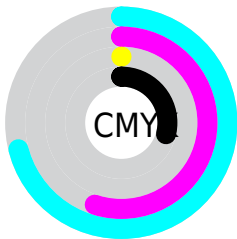
Distribution



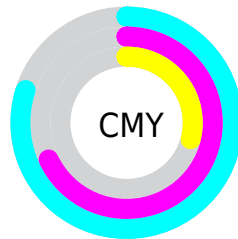
- Red (20%)
- Green (32%)
- Blue (71%)



- Red (20%)
- Yellow (30%)
- Blue (71%)



- Cyan (71%)
- Magenta (55%)
- Yellow (0%)
- Black (29%)



- Cyan (80%)
- Magenta (68%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.8430, -49.7050, 25.2630 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 83.8430, -49.7050, 25.2630 by changing the saturation by 10% instead.

■ 83.8430, -49.7050,
25.2630

■ 83.8430, -49.7050,
25.2630

■ 255.0000, -0.0000,
-0.0000

■ 51.7160, -65.7050,
17.8710

■ 137.9410,
-43.9290, 30.7190

■ 36.3110, -51.2630,
20.4570

■ 163.6980,
-38.9310, 28.2450

■ 22.7810, -37.9670,
21.7850

■ 188.2180,
-29.0720, 20.2720

■ 8.8920, -25.0380,
24.2580

■ 213.0370,
-18.6170, 12.5110

■ 9.0910, -18.7090,
14.1790

■ 238.4430, -8.4370,
4.2270

■ 4.7080, -10.5010,
8.5950

■ 0.3420, -0.9630,

0.9330

■ 0.0000, 0.0000,
0.0000

■ 83.8430, -49.7050,
25.2630

■ 83.8430, -49.7050,
25.2630

■ 70.2430, -56.5830,
28.7690

■ 97.4430, -42.8270,
21.7570

■ 56.6430, -63.4610,
32.2750

■ 111.0430,
-35.9490, 18.2510

■ 44.8150, -69.6970,
35.1590

■ 124.9420,
-28.4750, 14.9570

■ 139.1290,
-21.8720, 10.9280

■ 152.7290,
-14.9940, 7.4220

■ 166.3290, -8.1160,
3.9160

■ 179.9290, -1.2380,
0.4100

■ 193.8280, 6.2360,
-2.8840

■ 207.4280, 13.1140,
-6.3900

Harmonies

Analogous

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



79.6590, -87.8940, 7.0020



83.8430, -49.7050, 25.2630



88.8750, 18.3310, 47.7630

Triad

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



83.8430, -49.7050, 25.2630



80.9670, 74.6880, 1.0560



72.6470, -54.3710, -33.3710

Complementary

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



83.8430, -49.7050, 25.2630



150.1570, 49.7050, -25.2630

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.



64.5020, -35.5700, -49.2180



83.8430, -49.7050, 25.2630



84.3020, 48.0990, -18.1810

Square

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



83.8430, -49.7050, 25.2630



74.7920, 78.1200, 37.9920



79.0540, 15.9620, -35.9900



79.0480, -71.0170, -18.0330

Rectangle

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



83.8430, -49.7050, 25.2630



80.2010, 49.8280, 55.1400



79.0540, 15.9620, -35.9900



70.5950, -48.5930, -38.9690

Sweetspot

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



83.8430, -49.7050, 25.2630



199.1570, -19.0750, 9.7970



139.7100, -67.8500, -36.8900



97.5290, -11.5550, 5.6690



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

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



83.8430, -49.7050, 25.2630



83.2580, -78.1340, 39.3860



77.2850, -20.8700, 47.8500



85.2000, -3.4390, 1.7530



38.3290, -59.7010, 30.2110



6.7140, -10.6380, 5.5700

Inverse Universe

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



94.1760, 68.1710, 36.5790



99.2400, 106.8180, 57.5540



156.7150, 20.8700, -47.8500



85.9190, 4.7220, 2.5300



50.6340, 81.7410, 43.9570



9.0560, 14.7620, 7.8020

Previews

White Background



This preview shows how the YIQ color 83.8430, -49.7050, 25.2630 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 83.8430, -49.7050, 25.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

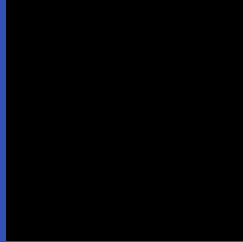
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.8430, -49.7050, 25.2630

Background



This preview shows how black text looks on a background with the YIQ color 83.8430, -49.7050, 25.2630.



This preview shows how white text looks on a background with the YIQ color 83.8430, -49.7050,

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

83.8430, -49.7050, 25.2630

Protanopia

70.6430, -81.7970, 12.1470

Deuteranopia

71.3150, -75.4220, 1.2340



Tritanopia

69.6100, -60.9760, -18.2880

Trichromacy



Original Color

83.8430, -49.7050, 25.2630

Protanomaly

75.7370, -70.1980, 16.6980

Deuteranomaly

75.6740, -65.8870, 10.1530

Tritanomaly

74.9610, -56.9900, -2.4140

Monochromacy



Original Color

83.8430, -49.7050, 25.2630

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.9290, -18.4330, 9.1750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.8430, -49.7050, 25.2630 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(52, 81, 182)` looks like.

```
.text, #text, p{  
    color:rgb(52, 81, 182)  
}
```

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(52, 81, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 81, 182) }
```

Border

The CSS property to change the border of an element to YIQ 83.8430, -49.7050, 25.2630 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(52, 81, 182) }
```


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

```
.border{ border-color:rgb(52, 81, 182) }
```

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

Here you see how a box with a 4 pixel rgb(52, 81, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 81, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 81, 182);  
box-shadow:4px 4px 4px 4px rgb(52, 81,  
182) }
```

Background

The CSS property to change the background color of an element to YIQ 83.8430, -49.7050, 25.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 81, 182) }
```

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

```
.background{ background-color: rgb(52, 81,  
182) }
```

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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