

Converting Colors

YIQ(84.2790, -48.2370, 20.6830)

Have a look what the booklet for
YIQ(84.2790, -48.2370, 20.6830)
contains.

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Color

**YIQ(84.2790, -48.2370,
20.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	3354AD
RGB	51, 84, 173
RGB Percent	20%, 33%, 68%
CMY	0.8000, 0.6705, 0.3218
CMYK	0.71, 0.51, 0.00, 0.32
HSL	224°, 54%, 44%
HSV	224°, 71%, 68%
XYZ	12.0728, 10.0611, 40.8072
YIQ	84.2790, -48.2370, 20.6830

Conversions

Conversions Part 2

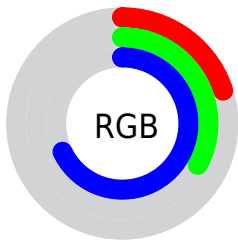
Format	Color
RYB	51, 77, 173
Decimal	3364013
CIELab	37.95, 18.79, -51.18
CIElCh	38, 54.516, 290.159
Yxy	10.0611, 0.1918, 0.1598
Android (android.graphics.Color)	4281554093 (0xFF3354AD)
YUV	84.2790, 43.7395, -29.1857
Hunter-Lab	31.7192, 12.4311, -54.0740

Details

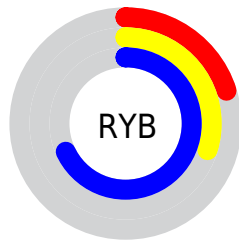
The YIQ color **84.2790, -48.2370, 20.6830** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **139.7210, 48.2370, -20.6830**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.6650, -43.3320, 25.4040**, and **37.1600, -49.5200, 16.4000** is the 20% darker color. If you saturate the color by 10%, you get **71.5650, -54.7940, 23.8780**, and if you desaturate by 10%, it is **96.9930, -41.6800, 17.4880**.

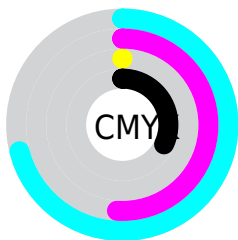
Distribution



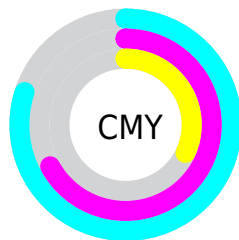
- Red (20%)
- Green (33%)
- Blue (68%)



- Red (20%)
- Yellow (30%)
- Blue (68%)



- Cyan (71%)
- Magenta (51%)
- Yellow (0%)
- Black (32%)



- Cyan (80%)
- Magenta (67%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.2790, -48.2370, 20.6830 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 84.2790, -48.2370, 20.6830 by changing the saturation by 10% instead.

■ 84.2790, -48.2370,
20.6830

■ 84.2790, -48.2370,
20.6830

■ 255.0000, -0.0000,
-0.0000

■ 52.4510, -63.6410,
13.5030

■ 137.6650,
-43.3320, 25.4040

■ 37.1600, -49.5200,
16.4000

■ 164.5620,
-41.5440, 26.0400

■ 23.0430, -35.9490,
18.2510

■ 189.0820,
-31.6850, 18.0670

■ 7.9800, -22.4700,
21.7700

■ 214.1890,
-22.1010, 9.5710

■ 7.7060, -16.1870,
12.5250

■ 239.5950,
-11.9210, 1.2870

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,

0.0000

■ 84.2790, -48.2370,
20.6830

■ 84.2790, -48.2370,
20.6830

■ 71.5650, -54.7940,
23.8780

■ 96.9930, -41.6800,
17.4880

■ 59.1390, -62.2220,
26.3380

■ 109.4190,
-34.2520, 15.0280

■ 47.3110, -68.4580,
29.2220

■ 122.1330,
-27.6950, 11.8330

■ 134.2600,
-20.8630, 9.1610

■ 146.9740,
-14.3060, 5.9660

■ 159.9870, -7.1530,
2.9830

■ 172.1140, -0.3210,
0.3110

■ 184.8280, 6.2360,
-2.8840

■ 197.8410, 13.3890,
-5.8670

Harmonies

Analogous

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



78.2910, -84.0420, 3.2700



84.2790, -48.2370, 20.6830



91.0110, 11.7760, 39.9040

Triad

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



84.2790, -48.2370, 20.6830



83.8230, 66.5260, 5.8060



71.7180, -53.1330, -33.7810

Complementary

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



84.2790, -48.2370, 20.6830



139.7210, 48.2370, -20.6830

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.



67.0020, -30.9860, -44.1860



84.2790, -48.2370, 20.6830



84.3130, 49.5660, -17.2340

Square

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



84.2790, -48.2370, 20.6830



81.3560, 67.4840, 32.5080



80.2720, 21.2800, -33.2480



77.5490, -68.1740, -19.9980

Rectangle

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



84.2790, -48.2370, 20.6830



86.7170, 39.1470, 44.9630



80.2720, 21.2800, -33.2480



69.3070, -47.7220, -38.2340

Sweetspot

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



84.2790, -48.2370, 20.6830



189.9890, -18.6620, 7.8180



132.5320, -61.4770, -36.7490



91.8880, -11.1880, 4.5240



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



84.2790, -48.2370, 20.6830



85.5970, -75.0150, 32.4170



72.6820, -23.6660, 43.4540



80.2000, -3.4390, 1.7530



41.1670, -59.4250, 25.2070



6.1440, -9.0330, 4.0150

Inverse Universe

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



91.2400, 62.1190, 36.1270



96.6240, 96.8690, 56.1410



151.3180, 23.6660, -43.4540



80.9190, 4.7220, 2.5300



49.5240, 76.2390, 44.5510



7.5610, 11.7820, 6.7420

Previews

White Background



This preview shows how the YIQ color 84.2790, -48.2370, 20.6830 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 84.2790, -48.2370, 20.6830 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 84.2790, -48.2370, 20.6830

Background



This preview shows how black text looks on a background with the YIQ color 84.2790, -48.2370, 20.6830.



This preview shows how white text looks on a background with the YIQ color 84.2790, -48.2370,

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

84.2790, -48.2370, 20.6830

Protanopia

80.2990, -60.1570, 16.4430

Deuteranopia

71.5430, -76.0640, 1.8560



Tritanopia

70.1970, -61.2510, -18.8110

Trichromacy



Original Color

84.2790, -48.2370, 20.6830

Protanomaly

81.6910, -55.3890, 18.1390

Deuteranomaly

76.0330, -65.5200, 9.0080

Tritanomaly

75.6790, -56.2560, -4.7040

Monochromacy



Original Color

84.2790, -48.2370, 20.6830

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

84.0600, -17.4240, 7.4080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.2790, -48.2370, 20.6830 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(51, 84, 173)` looks like.

```
.text, #text, p{  
    color:rgb(51, 84, 173)  
}
```

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(51, 84, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 84, 173) }
```

Border

The CSS property to change the border of an element to YIQ 84.2790, -48.2370, 20.6830 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(51, 84, 173) }
```


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

```
.border{ border-color:rgb(51, 84, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 84, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 84, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 84, 173);  
box-shadow:4px 4px 4px 4px rgb(51, 84,  
173) }
```

Background

The CSS property to change the background color of an element to YIQ 84.2790, -48.2370, 20.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 84, 173) }
```

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

```
.background{ background-color: rgb(51, 84,  
173) }
```

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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