

Converting Colors

YIQ(84.1690, -44.5710, 31.3410)

Have a look what the booklet for
YIQ(84.1690, -44.5710, 31.3410)
contains.

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Color

**YIQ(84.1690, -44.5710,
31.3410)**

Conversions

Conversions Part 1

Format	Color
Hex	3D4CBB
RGB	61, 76, 187
RGB Percent	24%, 30%, 73%
CMY	0.7607, 0.7019, 0.2669
CMYK	0.67, 0.59, 0.00, 0.27
HSL	233°, 51%, 49%
HSV	233°, 67%, 73%
XYZ	13.4724, 9.7471, 48.1474
YIQ	84.1690, -44.5710, 31.3410

Conversions

Conversions Part 2

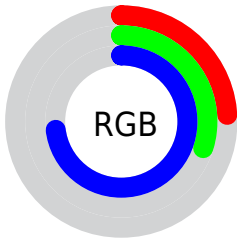
Format	Color
R _Y B	61, 74, 187
Decimal	4017339
CIE Lab	37.38, 30.59, -60.33
CIE LCh	37, 67.641, 296.889
Yxy	9.7471, 0.1888, 0.1366
Android (android.graphics.Color)	4282207419 (0xFF3D4CBB)
YUV	84.1690, 50.6957, -20.3192
Hunter-Lab	31.2204, 22.3912, -69.5814

Details

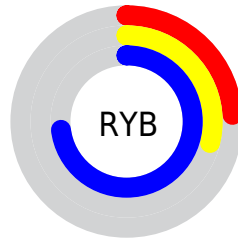
The YIQ color **84.1690, -44.5710, 31.3410** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **163.8310, 44.5710, -31.3410**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.9680, -39.3910, 36.5850**, and **33.9460, -51.4930, 24.6270** is the 20% darker color. If you saturate the color by 10%, you get **69.0960, -51.4950, 35.6810**, and if you desaturate by 10%, it is **99.2420, -37.6470, 27.0010**.

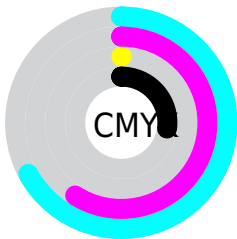
Distribution



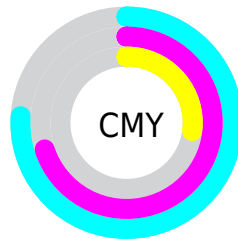
- Red (24%)
- Green (30%)
- Blue (73%)



- Red (24%)
- Yellow (29%)
- Blue (73%)



- Cyan (67%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (76%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.1690, -44.5710, 31.3410 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 84.1690, -44.5710, 31.3410 by changing the saturation by 10% instead.

■ 84.1690, -44.5710,
31.3410

■ 84.1690, -44.5710,
31.3410

■ 255.0000, -0.0000,
-0.0000

■ 54.6190, -54.8860,
25.5460

■ 137.9680,
-39.3910, 36.5850

■ 34.5330, -51.7680,
24.1040

■ 163.1550,
-32.7880, 32.5560

■ 20.4160, -38.1970,
25.9550

■ 187.0880,
-22.6540, 25.1060

■ 9.3480, -26.3220,
25.5020

■ 212.4940,
-12.4740, 16.8220

■ 9.5470, -19.9930,
15.4230

■ 237.9000, -2.2940,
8.5380

■ 5.1640, -11.7850,
9.8390

■ 1.1400, -3.2100,

3.1100

■ 0.0000, 0.0000,
0.0000

■ 84.1690, -44.5710,
31.3410

■ 84.1690, -44.5710,
31.3410

■ 69.0960, -51.4950,
35.6810

■ 99.2420, -37.6470,
27.0010

■ 53.7350, -57.5480,
40.7560

■ 114.6030,
-31.5940, 21.9260

■ 38.6620, -64.4720,
45.0960

■ 129.6760,
-24.6700, 17.5860

■ 34.2320, -66.0770,
46.6510

■ 145.3360,
-18.0210, 12.7230

■ 160.1100,
-11.6930, 8.1710

■ 175.7700, -5.0440,
3.3080

■ 190.8430, 1.8800,
-1.0320

■ 206.5030, 8.5290,
-5.8950

■ 221.2770, 14.8570,
-10.4470

Harmonies

Analogous

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



79.6250, -90.5540, 11.1580



84.1690, -44.5710, 31.3410



84.1200, 28.1870, 56.3710

Triad

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



84.1690, -44.5710, 31.3410



79.7930, 75.2380, 2.1020



73.6900, -55.9300, -32.6500

Complementary

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



84.1690, -44.5710, 31.3410



163.8310, 44.5710, -31.3410

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.



64.3880, -35.2490, -49.5290



84.1690, -44.5710, 31.3410



83.0950, 44.2480, -19.9760

Square

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



84.1690, -44.5710, 31.3410



64.8690, 88.3890, 44.6210



75.7540, 7.9390, -39.2690



80.0740, -73.9060, -15.2340

Rectangle

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



84.1690, -44.5710, 31.3410



64.1250, 65.3220, 71.7060



75.7540, 7.9390, -39.2690



70.9370, -49.5560, -38.0360

Sweetspot

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



84.1690, -44.5710, 31.3410



202.9940, -17.0580, 11.7900



147.3880, -69.6390, -31.9990



98.6540, -10.4090, 6.9270



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



84.1690, -44.5710, 31.3410



81.8450, -69.2410, 48.9270



89.1180, -13.0300, 48.9380



86.6130, -3.1640, 2.2760



29.1650, -55.9430, 39.2010



5.8820, -11.0510, 7.5490

Inverse Universe

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



100.3840, 70.2810, 31.3770



107.2260, 109.4330, 48.7050



158.8820, 13.0300, -48.9380



87.8050, 5.0430, 2.2190



49.4080, 88.0690, 39.4050



9.7250, 17.1920, 7.8160

Previews

White Background



This preview shows how the YIQ color 84.1690, -44.5710, 31.3410 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 84.1690, -44.5710, 31.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

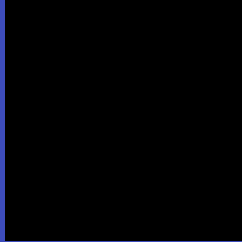
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.1690, -44.5710, 31.3410

Background



This preview shows how black text looks on a background with the YIQ color 84.1690, -44.5710, 31.3410.



This preview shows how white text looks on a background with the YIQ color 84.1690, -44.5710,

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

84.1690, -44.5710, 31.3410

Protanopia

69.7140, -80.5590, 11.7370

Tritanopia

68.9090, -60.3800, -18.0760

Trichromacy



Original Color

84.1690, -44.5710, 31.3410

Protanomaly

74.8730, -67.5850, 18.9030

Tritanomaly

74.2110, -54.6980, 0.1020

Monochromacy



Original Color

84.1690, -44.5710, 31.3410

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

84.0650, -15.8200, 11.3800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.1690, -44.5710, 31.3410 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(61, 76, 187)` looks like.

```
.text, #text, p{  
    color:rgb(61, 76, 187)  
}
```

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(61, 76, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 76, 187) }
```

Border

The CSS property to change the border of an element to YIQ 84.1690, -44.5710, 31.3410 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(61, 76, 187) }
```

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

```
.border{ border-color:rgb(61, 76, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 76, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 76, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 76, 187);  
box-shadow:4px 4px 4px 4px rgb(61, 76,  
187) }
```


Background

The CSS property to change the background color of an element to YIQ 84.1690, -44.5710, 31.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 76, 187) }
```

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

```
.background{ background-color: rgb(61, 76,  
187) }
```

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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