

Converting Colors

YIQ(64.4890, -92.0260, 37.8460)

Have a look what the booklet for
YIQ(64.4890, -92.0260, 37.8460)
contains.

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Color

**YIQ(64.4890, -92.0260,
37.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	0041E7
RGB	0, 65, 231
RGB Percent	0%, 25%, 91%
CMY	0.9998, 0.7450, 0.0946
CMYK	1.00, 0.72, 0.00, 0.09
HSL	223°, 100%, 45%
HSV	223°, 100%, 91%
XYZ	16.2979, 9.5462, 76.4917
YIQ	64.4890, -92.0260, 37.8460

Conversions

Conversions Part 2

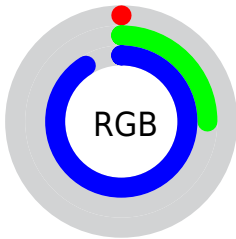
Format	Color
RYB	0, 51, 231
Decimal	16871
CIELab	37.02, 49.27, -86.39
CIELCh	37, 99.448, 299.696
Yxy	9.5462, 0.1593, 0.0933
Android (android.graphics.Color)	4278206951 (0xFF0041E7)
YUV	64.4890, 82.0899, -56.5569
Hunter-Lab	30.8969, 40.0879, -125.1568

Details

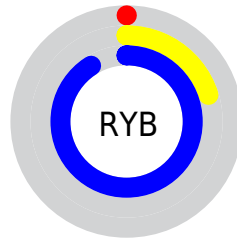
The YIQ color **64.4890, -92.0260, 37.8460** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **166.5110, 92.0260, -37.8460**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **128.2910, -47.3700, 43.5260**, and **32.7500, -61.9040, 42.6080** is the 20% darker color. If you saturate the color by 10%, you get **64.4890, -92.0260, 37.8460**, and if you desaturate by 10%, it is **81.3450, -82.9930, 33.8310**.

Distribution



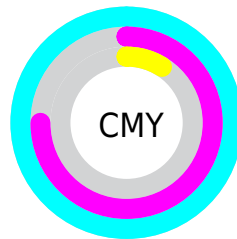
- Red (0%)
- Green (25%)
- Blue (91%)



- Red (0%)
- Yellow (20%)
- Blue (91%)



- Cyan (100%)
- Magenta (72%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (75%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 64.4890, -92.0260, 37.8460 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 64.4890, -92.0260, 37.8460 by changing the saturation by 10% instead.

■ 64.4890, -92.0260,
37.8460

■ 64.4890, -92.0260,
37.8460

■ 255.0000, -0.0000,
-0.0000

■ 48.2690, -76.6670,
40.3330

■ 128.2910,
-47.3700, 43.5260

■ 32.7500, -61.9040,
42.6080

■ 153.7190,
-34.2560, 37.1360

■ 20.1660, -48.5160,
42.2680

■ 179.1360,
-22.6090, 29.7990

■ 13.5660, -38.1990,
37.0090

■ 204.5530,
-10.9620, 22.4620

■ 18.8200, -33.7030,
21.6010

■ 230.5570, 0.4100,
14.6020

■ 12.5620, -24.3490,
17.2750

■ 252.0650, 1.3750,

■ 7.0050, -15.5910,

2.6150

12.7370

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 64.4890, -92.0260,
37.8460

■ 81.3450, -82.9930,
33.8310

■ 97.6140, -73.6850,
30.3390

■ 114.4700,
-64.6520, 26.3240

■ 130.7390,
-55.3440, 22.8320

■ 147.5950,
-46.3110, 18.8170

■ 164.7500,
-36.6820, 15.0140

■ 181.0190,
-27.3740, 11.5220

■ 197.8750,
-18.3410, 7.5070

■ 214.1440, -9.0330,
4.0150

Harmonies

Analogous

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



88.1290, -108.9880, 25.8600



64.4890, -92.0260, 37.8460



71.7050, 49.7300, 89.9700

Triad

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



64.4890, -92.0260, 37.8460



72.2390, 89.0820, 15.5300



76.4940, -58.3140, -33.4980

Complementary

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



64.4890, -92.0260, 37.8460



166.5110, 92.0260, -37.8460

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.



65.1570, -30.5250, -58.0530



64.4890, -92.0260, 37.8460



82.1870, 40.9930, -21.5590

Square

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



64.4890, -92.0260, 37.8460



63.1900, 118.2820, 48.0260



60.4610, -28.3250, -53.8690



87.0160, -85.1860, -9.0420

Rectangle

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



64.4890, -92.0260, 37.8460



75.3450, 85.4940, 80.5820



60.4610, -28.3250, -53.8690



72.6010, -48.7300, -41.9940

Sweetspot

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



64.4890, -92.0260, 37.8460



199.9910, -30.1710, 12.6530



154.4070, -116.4900, -69.4980



94.8750, -18.3410, 7.5070



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.



64.4890, -92.0260, 37.8460



71.3340, -101.6550, 41.6490



41.2840, -44.3510, 82.4410



106.7160, -4.9520, 1.6400



49.7560, -71.2090, 29.5190



14.0320, -20.2210, 8.5390

Inverse Universe

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



76.4790, 116.8110, 69.1870



84.4530, 128.8680, 76.4520



189.7160, 44.3510, -82.4410



107.0440, 5.8680, 3.7880



59.2210, 90.6340, 53.4980



16.8450, 25.9020, 15.1660

Previews

White Background



This preview shows how the YIQ color 64.4890, -92.0260, 37.8460 looks on a white background.

Color Contrast Check

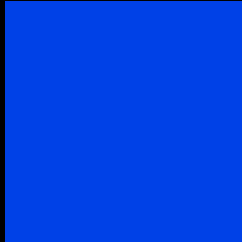
Large Text (above 18pt) WCAG AA ✓ Pass

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 64.4890, -92.0260, 37.8460 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 64.4890, -92.0260, 37.8460

Background



This preview shows how black text looks on a background with the YIQ color 64.4890, -92.0260, 37.8460.



This preview shows how white text looks on a background with the YIQ color 64.4890, -92.0260,

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

64.4890, -92.0260, 37.8460

Protanopia

69.3720, -79.5960, 10.8040

Deuteranopia

69.3430, -72.6250, 0.1030



Tritanopia

67.8660, -58.8210, -18.7970

Trichromacy



Original Color

64.4890, -92.0260, 37.8460

Protanomaly

67.5430, -84.0910, 20.6850

Deuteranomaly

67.3660, -79.4590, 13.8290

Tritanomaly

66.7670, -70.8830, 1.5730

Monochromacy



Original Color

64.4890, -92.0260, 37.8460

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

64.0770, -33.2890, 14.0950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 64.4890, -92.0260, 37.8460 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(0, 65, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 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(0, 65, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 231) }
```

Border

The CSS property to change the border of an element to YIQ 64.4890, -92.0260, 37.8460 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(0, 65, 231) }
```


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

```
.border{ border-color:rgb(0, 65, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 65, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 65, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 65, 231)  
}
```

Background

The CSS property to change the background color of an element to YIQ 64.4890, -92.0260, 37.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 65, 231) }
```

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

```
.background{ background-color: rgb(0, 65,  
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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