

Converting Colors

YIQ(75.5340, -87.8990, 34.6370)

Have a look what the booklet for
YIQ(75.5340, -87.8990, 34.6370)
contains.

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Color

**YIQ(75.5340, -87.8990,
34.6370)**

Conversions

Conversions Part 1

Format	Color
Hex	0D4DE8
RGB	13, 77, 232
RGB Percent	5%, 30%, 91%
CMY	0.9489, 0.6979, 0.0907
CMYK	0.94, 0.67, 0.00, 0.09
HSL	222°, 89%, 48%
HSV	222°, 94%, 91%
XYZ	17.3701, 11.2164, 77.5044
YIQ	75.5340, -87.8990, 34.6370

Conversions

Conversions Part 2

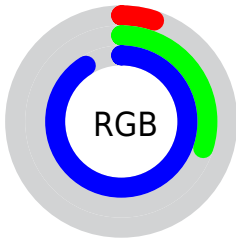
Format	Color
R _Y B	13, 63, 232
Decimal	871912
CIE Lab	39.94, 42.61, -82.12
CIE LCh	40, 92.518, 297.423
Yxy	11.2164, 0.1637, 0.1057
Android (android.graphics.Color)	4279061992 (0xFF0D4DE8)
YUV	75.5340, 77.1377, -54.8423
Hunter-Lab	33.4910, 33.9698, -113.7646

Details

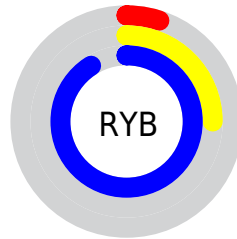
The YIQ color **75.5340, -87.8990, 34.6370** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **169.4660, 87.8990, -34.6370**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.2210, -50.3490, 36.9390**, and **39.9080, -65.5250, 36.6430** is the 20% darker color. If you saturate the color by 10%, you get **66.3640, -93.1720, 36.5880**, and if you desaturate by 10%, it is **91.8030, -78.5910, 31.1450**.

Distribution



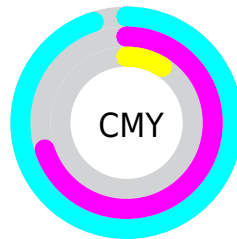
- Red (5%)
- Green (30%)
- Blue (91%)



- Red (5%)
- Yellow (25%)
- Blue (91%)



- Cyan (94%)
- Magenta (67%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (70%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 75.5340, -87.8990, 34.6370 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 75.5340, -87.8990, 34.6370 by changing the saturation by 10% instead.

■ 75.5340, -87.8990,
34.6370

■ 75.5340, -87.8990,
34.6370

■ 255.0000, -0.0000,
-0.0000

■ 55.4270, -80.2880,
34.3680

■ 136.2210,
-50.3490, 36.9390

■ 39.9080, -65.5250,
36.6430

■ 161.6490,
-37.2350, 30.5490

■ 26.1500, -51.5870,
37.3490

■ 186.4790,
-25.3130, 23.7350

■ 13.7940, -38.8410,
37.6310

■ 212.4830,
-13.9410, 15.8750

■ 19.0480, -34.3450,
22.2230

■ 238.1880, -3.1650,
7.8030

■ 12.6760, -24.6700,
17.5860

■ 7.7060, -16.1870,

12.5250

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 75.5340, -87.8990,
34.6370

■ 75.5340, -87.8990,
34.6370

■ 66.3640, -93.1720,
36.5880

■ 91.8030, -78.5910,
31.1450

■ 108.6590,
-69.5580, 27.1300

■ 125.2270,
-59.6540, 23.8500

■ 142.0830,
-50.6210, 19.8350

■ 158.3520,
-41.3130, 16.3430

■ 174.6210,
-32.0050, 12.8510

■ 191.4770,
-22.9720, 8.8360

■ 208.0450,
-13.0680, 5.5560

■ 224.9010, -4.0350,
1.5410

Harmonies

Analogous

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



91.8960, -109.9500, 21.2660



75.5340, -87.8990, 34.6370



71.9050, 46.2910, 91.7230

Triad

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



75.5340, -87.8990, 34.6370



80.2130, 91.9710, 12.7310



80.7170, -60.5600, -36.8480

Complementary

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



75.5340, -87.8990, 34.6370



169.4660, 87.8990, -34.6370

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.



68.6790, -32.1750, -61.1910



75.5340, -87.8990, 34.6370



89.0090, 47.3660, -21.4180

Square

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



75.5340, -87.8990, 34.6370



66.6230, 115.8050, 54.3730



75.6440, -6.7310, -48.7390



90.1960, -85.8730, -13.1130

Rectangle

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



75.5340, -87.8990, 34.6370



76.3000, 81.3670, 83.7910



75.6440, -6.7310, -48.7390



77.0520, -51.6180, -44.7220

Sweetspot

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



75.5340, -87.8990, 34.6370



203.8340, -28.2910, 11.6210



158.9950, -109.3380, -66.9540



96.6470, -17.6990, 6.8850



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.



75.5340, -87.8990, 34.6370



73.0950, -102.4800, 40.0800



51.1220, -44.0750, 77.4370



106.7160, -4.9520, 1.6400



50.9300, -71.7590, 28.4730



14.6190, -20.4960, 8.0160

Inverse Universe

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



85.7770, 109.9800, 66.3320



84.7950, 127.9050, 77.3850



193.8780, 44.0750, -77.4370



107.0440, 5.8680, 3.7880



59.4490, 89.9920, 54.1200



16.9590, 25.5810, 15.4770

Previews

White Background



This preview shows how the YIQ color 75.5340, -87.8990, 34.6370 looks on a white background.

Color Contrast Check

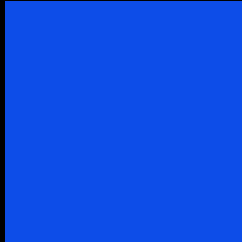
Large Text (above 18pt) WCAG AA ✓ Pass

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 75.5340, -87.8990, 34.6370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

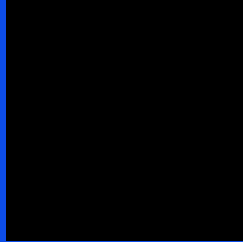
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 75.5340, -87.8990, 34.6370

Background



This preview shows how black text looks on a background with the YIQ color 75.5340, -87.8990, 34.6370.



This preview shows how white text looks on a background with the YIQ color 75.5340, -87.8990,

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

75.5340, -87.8990, 34.6370

Protanopia

74.4900, -85.7400, 12.0200

Deuteranopia

74.8200, -78.4020, 0.1740



Tritanopia

73.4740, -63.5890, -20.4930

Trichromacy



Original Color

75.5340, -87.8990, 34.6370

Protanomaly

74.7600, -86.2000, 20.3600

Deuteranomaly

75.0560, -81.5220, 12.6700

Tritanomaly

74.2290, -72.3040, -0.2080

Monochromacy



Original Color

75.5340, -87.8990, 34.6370

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

75.6210, -32.0050, 12.8510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.5340, -87.8990, 34.6370 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(13, 77, 232)` looks like.

```
.text, #text, p{  
    color:rgb(13, 77, 232)  
}
```

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(13, 77, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 77, 232) }
```

Border

The CSS property to change the border of an element to YIQ 75.5340, -87.8990, 34.6370 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(13, 77, 232) }
```


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

```
.border{ border-color:rgb(13, 77, 232) }
```

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

Here you see how a box with a 4 pixel rgb(13, 77, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 77, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 77, 232);  
box-shadow:4px 4px 4px 4px rgb(13, 77,  
232) }
```

Background

The CSS property to change the background color of an element to YIQ 75.5340, -87.8990, 34.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 77, 232) }
```

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

```
.background{ background-color: rgb(13, 77,  
232) }
```

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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