

Converting Colors

YIQ(55.8530, -80.8870, 50.7370)

Have a look what the booklet for
YIQ(55.8530, -80.8870, 50.7370)
contains.

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Color

**YIQ(55.8530, -80.8870,
50.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	0A2DE8
RGB	10, 45, 232
RGB Percent	4%, 18%, 91%
CMY	0.9605, 0.8235, 0.0907
CMYK	0.96, 0.81, 0.00, 0.09
HSL	231°, 92%, 47%
HSV	231°, 96%, 91%
XYZ	15.6129, 7.7620, 76.9308
YIQ	55.8530, -80.8870, 50.7370

Conversions

Conversions Part 2

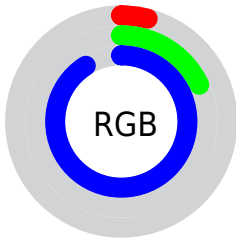
Format	Color
R _Y B	10, 40, 232
Decimal	667112
CIE Lab	33.48, 60.55, -92.82
CIE LCh	33, 110.821, 303.117
Yxy	7.7620, 0.1557, 0.0774
Android (android.graphics.Color)	4278857192 (0xFF0A2DE8)
YUV	55.8530, 86.8405, -40.2131
Hunter-Lab	27.8603, 51.2755, -144.2156

Details

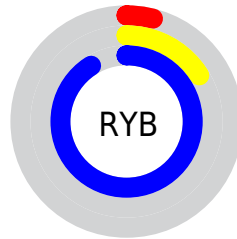
The YIQ color **55.8530, -80.8870, 50.7370** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **186.1470, 80.8870, -50.7370**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.9210, -40.0360, 53.7880**, and **19.9500, -56.1750, 54.4250** is the 20% darker color. If you saturate the color by 10%, you get **48.1670, -84.6470, 52.8010**, and if you desaturate by 10%, it is **74.4700, -72.6790, 45.1530**.

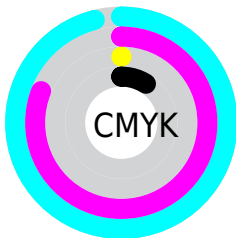
Distribution



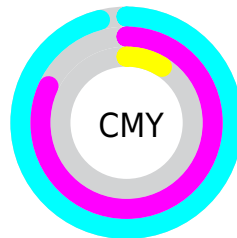
- Red (4%)
- Green (18%)
- Blue (91%)



- Red (4%)
- Yellow (16%)
- Blue (91%)



- Cyan (96%)
- Magenta (81%)
- Yellow (0%)
- Black (9%)



- Cyan (96%)
- Magenta (82%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.8530, -80.8870, 50.7370 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 55.8530, -80.8870, 50.7370 by changing the saturation by 10% instead.

■ 55.8530, -80.8870,
50.7370

■ 55.8530, -80.8870,
50.7370

■ 255.0000, -0.0000,
-0.0000

■ 34.8820, -70.6630,
52.6730

■ 118.9210,
-40.0360, 53.7880

■ 19.8360, -55.8540,
54.1140

■ 143.7620,
-26.6470, 47.9210

■ 16.7580, -47.1870,
45.7170

■ 169.4780,
-14.4040, 40.7960

■ 13.6800, -38.5200,
37.3200

■ 194.8950, -2.7570,
33.4590

■ 18.9340, -34.0240,
21.9120

■ 220.8990, 8.6150,
25.5990

■ 12.5620, -24.3490,
17.2750

■ 240.9120, 6.6000,

■ 7.5920, -15.8660,

12.5520

12.2140

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 55.8530, -80.8870,
50.7370

■ 55.8530, -80.8870,
50.7370

■ 48.1670, -84.6470,
52.8010

■ 74.4700, -72.6790,
45.1530

■ 92.5000, -64.1960,
40.0920

■ 111.4160,
-55.3920, 34.7200

■ 129.4460,
-46.9090, 29.6590

■ 148.0630,
-38.7010, 24.0750

■ 166.0930,
-30.2180, 19.0140

■ 184.7100,
-22.0100, 13.4300

■ 203.0390,
-12.9310, 8.5810

■ 221.6560, -4.7230,
2.9970

Harmonies

Analogous

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



83.6610, -107.4300, 30.6660



55.8530, -80.8870, 50.7370



72.4730, 56.1950, 88.4430

Triad

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



55.8530, -80.8870, 50.7370



62.4930, 85.5510, 18.9510



71.5530, -56.8020, -27.8580

Complementary

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



55.8530, -80.8870, 50.7370



186.1470, 80.8870, -50.7370

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.



60.4610, -28.3250, -53.8690



55.8530, -80.8870, 50.7370



73.5710, 31.0440, -22.9720

Square

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



55.8530, -80.8870, 50.7370



60.3980, 120.3920, 42.8240



56.9390, -26.6750, -50.7310



83.3460, -85.8750, -2.0590

Rectangle

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



55.8530, -80.8870, 50.7370



74.8310, 92.6930, 76.7650



56.9390, -26.6750, -50.7310



67.3180, -46.2550, -37.2870

Sweetspot

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



55.8530, -80.8870, 50.7370



196.4800, -27.0540, 16.7380



161.4040, -120.4350, -58.5710



92.2390, -16.3700, 10.3340



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.



55.8530, -80.8870, 50.7370



52.5500, -92.8550, 58.3850



57.4340, -27.1580, 84.7300



105.5420, -4.4020, 2.6860



36.8420, -65.1590, 41.0250



10.5100, -18.5710, 11.6770

Inverse Universe

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



80.3680, 121.0770, 57.9490



80.8050, 139.1400, 66.5000



184.5660, 27.1580, -84.7300



106.8160, 6.5100, 3.1660



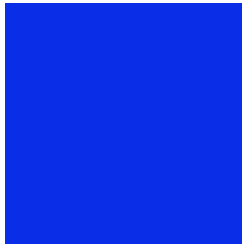
56.7130, 97.6960, 46.6560



16.1610, 27.8280, 13.3000

Previews

White Background



This preview shows how the YIQ color 55.8530, -80.8870, 50.7370 looks on a white background.

Color Contrast Check

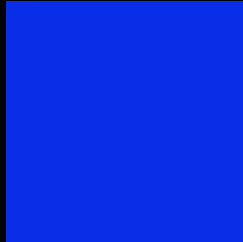
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.8530, -80.8870, 50.7370 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 55.8530, -80.8870, 50.7370

Background



This preview shows how black text looks on a background with the YIQ color 55.8530, -80.8870, 50.7370.



This preview shows how white text looks on a background with the YIQ color 55.8530, -80.8870,

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

55.8530, -80.8870, 50.7370

Protanopia

62.1510, -71.6640, 10.2240

Deuteranopia

62.9370, -65.6100, -0.3780

Trichromacy



Original Color

55.8530, -80.8870, 50.7370

Protanomaly

59.9680, -74.9220, 25.2220

Deuteranomaly

60.4920, -70.8860, 18.1540

Monochromacy



Original Color

55.8530, -80.8870, 50.7370

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

55.8650, -29.5760, 18.3920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.8530, -80.8870, 50.7370 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(10, 45, 232)` looks like.

```
.text, #text, p{  
    color:rgb(10, 45, 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(10, 45, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 45, 232) }
```

Border

The CSS property to change the border of an element to YIQ 55.8530, -80.8870, 50.7370 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(10, 45, 232) }
```

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

```
.border{ border-color:rgb(10, 45, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 45, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 45, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 45, 232);  
box-shadow:4px 4px 4px 4px rgb(10, 45,  
232) }
```


Background

The CSS property to change the background color of an element to YIQ 55.8530, -80.8870, 50.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 45, 232) }
```

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

```
.background{ background-color: rgb(10, 45,  
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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