

Converting Colors

YIQ(82.2870, -77.0780, 31.2580)

Have a look what the booklet for
YIQ(82.2870, -77.0780, 31.2580)
contains.

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Color

**YIQ(82.2870, -77.0780,
31.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	1C53DD
RGB	28, 83, 221
RGB Percent	11%, 33%, 87%
CMY	0.8901, 0.6744, 0.1337
CMYK	0.87, 0.62, 0.00, 0.13
HSL	223°, 78%, 49%
HSV	223°, 87%, 87%
XYZ	16.6107, 11.6517, 69.7066
YIQ	82.2870, -77.0780, 31.2580

Conversions

Conversions Part 2

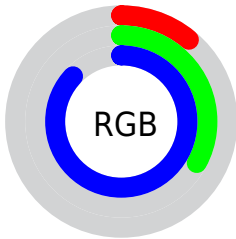
Format	Color
R_{YB}	28, 71, 221
Decimal	1856477
CIE _{Lab}	40.66, 35.33, -74.69
CIE _{LCh}	41, 82.625, 295.319
Yxy	11.6517, 0.1696, 0.1189
Android (android.graphics.Color)	4280046557 (0xFF1C53DD)
YUV	82.2870, 68.3855, -47.6097
Hunter-Lab	34.1345, 27.1272, -97.1827

Details

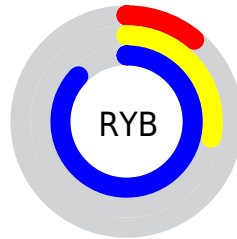
The YIQ color **82.2870, -77.0780, 31.2580** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **166.7130, 77.0780, -31.2580**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **140.0420, -51.4030, 34.0130**, and **41.7030, -63.6900, 30.9180** is the 20% darker color. If you saturate the color by 10%, you get **66.3170, -85.7900, 34.9620**, and if you desaturate by 10%, it is **98.2570, -68.3660, 27.5540**.

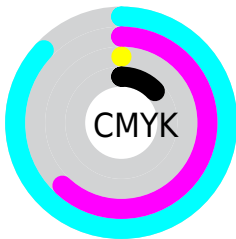
Distribution



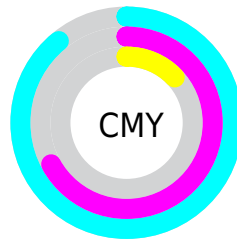
- Red (11%)
- Green (33%)
- Blue (87%)



- Red (11%)
- Yellow (28%)
- Blue (87%)



- Cyan (87%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)



- Cyan (89%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 82.2870, -77.0780, 31.2580 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 82.2870, -77.0780, 31.2580 by changing the saturation by 10% instead.

■ 82.2870, -77.0780,
31.2580

■ 82.2870, -77.0780,
31.2580

■ 255.0000, -0.0000,
-0.0000

■ 57.1080, -78.1320,
28.3320

■ 140.0420,
-51.4030, 34.0130

■ 42.2900, -63.9650,
30.3950

■ 164.8720,
-39.4810, 27.1990

■ 27.9450, -49.7520,
31.6240

■ 190.2890,
-27.8340, 19.8620

■ 12.6540, -35.6310,
34.5210

■ 215.4070,
-16.7830, 12.3130

■ 16.8480, -30.9060,
20.4700

■ 241.6990, -6.2820,
3.7180

■ 10.4760, -21.2310,
15.8330

■ 6.2070, -13.3440,

10.5600

■ 2.4110, -5.4110,
4.4530

■ 0.0000, 0.0000,
0.0000

■ 82.2870, -77.0780,
31.2580

■ 82.2870, -77.0780,
31.2580

■ 66.3170, -85.7900,
34.9620

■ 98.2570, -68.3660,
27.5540

■ 62.1750, -88.2660,
35.7820

■ 114.2270,
-59.6540, 23.8500

■ 129.6100,
-50.6670, 20.6690

■ 145.5800,
-41.9550, 16.9650

■ 161.5500,
-33.2430, 13.2610

■ 177.8190,
-23.9350, 9.7690

■ 193.7890,
-15.2230, 6.0650

■ 209.1720, -6.2360,
2.8840

■ 225.1420, 2.4760,
-0.8200

Harmonies

Analogous

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



90.6590, -105.0890, 15.7670



82.2870, -77.0780, 31.2580



85.0090, 33.5940, 74.0260

Triad

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



82.2870, -77.0780, 31.2580



84.0230, 89.4500, 8.8580



80.4890, -59.9180, -37.4700

Complementary

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



82.2870, -77.0780, 31.2580



166.7130, 77.0780, -31.2580

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



82.2870, -77.0780, 31.2580



90.5040, 50.3460, -20.3580

Square

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



82.2870, -77.0780, 31.2580



66.0120, 107.4600, 56.9320



81.3360, 6.0600, -43.7640



89.0560, -82.6630, -16.2230

Rectangle

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



82.2870, -77.0780, 31.2580



73.3530, 73.8480, 82.3920



81.3360, 6.0600, -43.7640



77.1660, -51.9390, -44.4110

Sweetspot

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



82.2870, -77.0780, 31.2580



207.6770, -26.4110, 10.5890



156.6810, -96.4100, -58.9540



99.0170, -15.8650, 6.6870



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.



82.2870, -77.0780, 31.2580



71.9210, -101.9300, 41.1260



61.6630, -38.7090, 68.2910



102.0150, -4.3560, 1.8520



48.4850, -69.0080, 28.1760



12.8750, -18.3410, 7.5070

Inverse Universe

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



91.9770, 97.3730, 58.0210



84.5670, 128.5470, 76.7630



187.3370, 38.7090, -68.2910



102.6310, 5.5930, 3.2650



57.3130, 87.3790, 51.9150



15.2360, 23.2430, 13.7950

Previews

White Background



This preview shows how the YIQ color 82.2870, -77.0780, 31.2580 looks on a white background.

Color Contrast Check

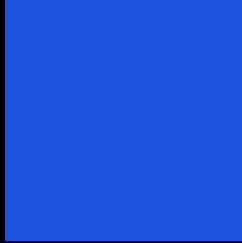
Large Text (above 18pt) WCAG AA ✓ Pass

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 82.2870, -77.0780, 31.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

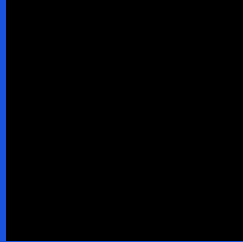
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 82.2870, -77.0780, 31.2580

Background



This preview shows how black text looks on a background with the YIQ color 82.2870, -77.0780, 31.2580.



This preview shows how white text looks on a background with the YIQ color 82.2870, -77.0780,

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

82.2870, -77.0780, 31.2580

Protanopia

76.1200, -87.5740, 12.2180

Tritanopia

74.9900, -65.1020, -20.6060

Trichromacy



Original Color

82.2870, -77.0780, 31.2580

Protanomaly

78.4890, -83.9990, 19.0170

Tritanomaly

77.8440, -69.7820, -1.8620

Monochromacy



Original Color

82.2870, -77.0780, 31.2580

Achromatopsia

82.0000, 0.0000, -0.0000

Achromatomaly

81.8340, -28.2910, 11.6210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.2870, -77.0780, 31.2580 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(28, 83, 221)` looks like.

```
.text, #text, p{  
    color:rgb(28, 83, 221)  
}
```

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(28, 83, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 83, 221) }
```

Border

The CSS property to change the border of an element to YIQ 82.2870, -77.0780, 31.2580 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(28, 83, 221) }
```

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

```
.border{ border-color:rgb(28, 83, 221) }
```

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

Here you see how a box with a 4 pixel rgb(28, 83, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 83, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 83, 221);  
box-shadow:4px 4px 4px 4px rgb(28, 83,  
221) }
```


Background

The CSS property to change the background color of an element to YIQ 82.2870, -77.0780, 31.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 83, 221) }
```

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

```
.background{ background-color: rgb(28, 83,  
221) }
```

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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