

Converting Colors

YIQ(77.8450, -87.5770, 28.7990)

Have a look what the booklet for
YIQ(77.8450, -87.5770, 28.7990)
contains.

YIQ(77.8450, -87.5770, 28.7990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(77.8450, -87.5770,
28.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	0C53E0
RGB	12, 83, 224
RGB Percent	5%, 33%, 88%
CMY	0.9528, 0.6744, 0.1220
CMYK	0.95, 0.63, 0.00, 0.12
HSL	220°, 90%, 46%
HSV	220°, 95%, 88%
XYZ	16.6856, 11.6447, 71.8064
YIQ	77.8450, -87.5770, 28.7990

Conversions

Conversions Part 2

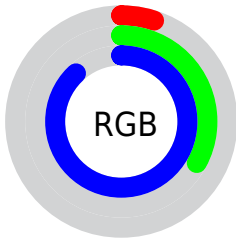
Format	Color
R_{YB}	12, 65, 224
Decimal	807904
CIE _{Lab}	40.65, 35.80, -76.42
CIE _{LCh}	41, 84.392, 295.103
Yxy	11.6447, 0.1666, 0.1163
Android (android.graphics.Color)	4278997984 (0xFF0C53E0)
YUV	77.8450, 72.0544, -57.7461
Hunter-Lab	34.1243, 27.5632, -100.8748

Details

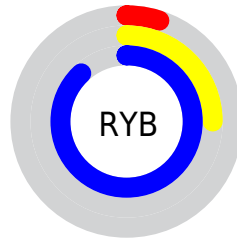
The YIQ color **77.8450, -87.5770, 28.7990** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **158.1550, 87.5770, -28.7990**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.8460, -53.7870, 33.1650**, and **42.5180, -64.6070, 31.0170** is the 20% darker color. If you saturate the color by 10%, you get **69.5610, -92.5290, 30.4390**, and if you desaturate by 10%, it is **93.2280, -78.5900, 25.6180**.

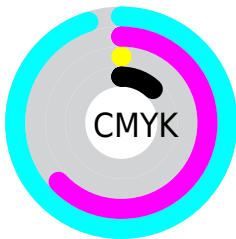
Distribution



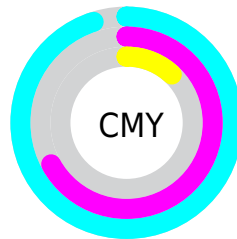
- Red (5%)
- Green (33%)
- Blue (88%)



- Red (5%)
- Yellow (25%)
- Blue (88%)



- Cyan (95%)
- Magenta (63%)
- Yellow (0%)
- Black (12%)



- Cyan (95%)
- Magenta (67%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.8450, -87.5770, 28.7990 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 77.8450, -87.5770, 28.7990 by changing the saturation by 10% instead.

■ 77.8450, -87.5770,
28.7990

■ 77.8450, -87.5770,
28.7990

■ 255.0000, -0.0000,
-0.0000

■ 57.4500, -79.0950,
29.2650

■ 138.8460,
-53.7870, 33.1650

■ 42.5180, -64.6070,
31.0170

■ 163.9750,
-41.2690, 26.5630

■ 28.8740, -50.9900,
32.0340

■ 189.3920,
-29.6220, 19.2260

■ 12.9960, -36.5940,
35.4540

■ 214.5100,
-18.5710, 11.6770

■ 17.0760, -31.5480,
21.0920

■ 241.1010, -7.4740,
3.2940

■ 11.4050, -22.4690,
16.2430

■ 6.4350, -13.9860,

11.1820

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,
0.0000

■ 77.8450, -87.5770,
28.7990

■ 77.8450, -87.5770,
28.7990

■ 69.5610, -92.5290,
30.4390

■ 93.2280, -78.5900,
25.6180

■ 108.9100,
-69.0070, 22.6490

■ 124.2930,
-60.0200, 19.4680

■ 139.9750,
-50.4370, 16.4990

■ 154.7710,
-41.1750, 13.8410

■ 170.1540,
-32.1880, 10.6600

■ 185.8360,
-22.6050, 7.6910

■ 201.2190,
-13.6180, 4.5100

■ 216.9010, -4.0350,
1.5410

Harmonies

Analogous

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



91.0010, -106.0520, 16.7000



77.8450, -87.5770, 28.7990



82.8890, 34.0520, 76.7400

Triad

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



77.8450, -87.5770, 28.7990



83.4470, 91.1920, 10.3280



80.3750, -59.5970, -37.7810

Complementary

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



77.8450, -87.5770, 28.7990



158.1550, 87.5770, -28.7990

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.



69.2660, -32.4500, -61.7140



77.8450, -87.5770, 28.7990



90.8030, 50.9420, -20.1460

Square

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



77.8450, -87.5770, 28.7990



66.4960, 108.9730, 57.0450



81.6240, 5.1890, -44.4990



89.6430, -82.9380, -16.7460

Rectangle

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



77.8450, -87.5770, 28.7990



74.0650, 74.7190, 83.1270



81.6240, 5.1890, -44.4990



76.9380, -51.2970, -45.0330

Sweetspot

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



77.8450, -87.5770, 28.7990



206.1820, -29.3910, 9.5290



152.1760, -102.5980, -67.9580



97.8210, -18.2490, 5.8390



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.



77.8450, -87.5770, 28.7990



78.9650, -105.2300, 34.8500



45.7360, -48.9800, 72.7160



104.6020, -4.6310, 1.3290



54.6970, -72.7210, 23.8790



14.8640, -19.8080, 6.5600

Inverse Universe

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



83.4820, 103.5610, 67.0250



85.9350, 124.6950, 80.4950



190.2640, 48.9800, -72.7160



104.7450, 5.2720, 3.5760



59.3500, 85.9570, 55.6610



16.1760, 23.4720, 15.1520

Previews

White Background



This preview shows how the YIQ color 77.8450, -87.5770, 28.7990 looks on a white background.

Color Contrast Check

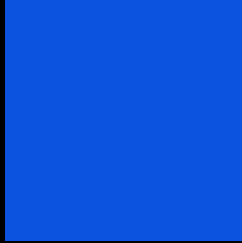
Large Text (above 18pt) WCAG AA ✓ Pass

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 77.8450, -87.5770, 28.7990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

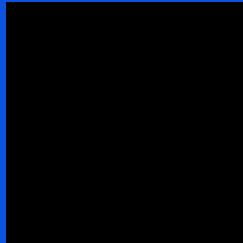
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.8450, -87.5770, 28.7990

Background



This preview shows how black text looks on a background with the YIQ color 77.8450, -87.5770, 28.7990.



This preview shows how white text looks on a background with the YIQ color 77.8450, -87.5770,

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

77.8450, -87.5770, 28.7990

Protanopia

76.1200, -87.5740, 12.2180

Deuteranopia

76.4500, -80.2360, 0.3720



Tritanopia

74.9900, -65.1020, -20.6060

Trichromacy



Original Color

77.8450, -87.5770, 28.7990

Protanomaly

76.8090, -87.8960, 18.0560

Deuteranomaly

77.1050, -83.2180, 10.3660

Tritanomaly

76.1640, -73.6790, -2.8230

Monochromacy



Original Color

77.8450, -87.5770, 28.7990

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.0400, -31.8670, 10.3490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.8450, -87.5770, 28.7990 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(12, 83, 224)` looks like.

```
.text, #text, p{  
    color:rgb(12, 83, 224)  
}
```

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(12, 83, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 83, 224) }
```

Border

The CSS property to change the border of an element to YIQ 77.8450, -87.5770, 28.7990 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(12, 83, 224) }
```


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

```
.border{ border-color:rgb(12, 83, 224) }
```

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

Here you see how a box with a 4 pixel rgb(12, 83, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 83, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 83, 224);  
box-shadow:4px 4px 4px 4px rgb(12, 83,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 77.8450, -87.5770, 28.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 83, 224) }
```

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

```
.background{ background-color: rgb(12, 83,  
224) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor