

# Converting Colors

YIQ(77.2240, -81.9350, 14.6490)

Have a look what the booklet for  
YIQ(77.2240, -81.9350, 14.6490)  
contains.

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# Color

**YIQ(77.2240, -81.9350,  
14.6490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	085AC1
RGB	8, 90, 193
RGB Percent	3%, 35%, 76%
CMY	0.9686, 0.6469, 0.2435
CMYK	0.96, 0.53, 0.00, 0.24
HSL	213°, 92%, 39%
HSV	213°, 96%, 76%
XYZ	13.3729, 11.2152, 51.8516
YIQ	77.2240, -81.9350, 14.6490

# Conversions

## Conversions Part 2

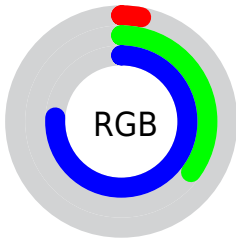
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	8, 65, 193
Decimal	547521
CIE <sub>Lab</sub>	39.94, 18.93, -59.73
CIE <sub>LCh</sub>	40, 62.661, 287.586
Yxy	11.2152, 0.1749, 0.1467
Android (android.graphics.Color)	4278737601 (0xFF085AC1)
YUV	77.2240, 57.0776, -60.7094
Hunter-Lab	33.4892, 12.6728, -68.3569

# Details

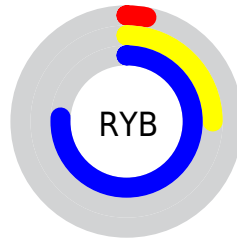
The YIQ color **77.2240, -81.9350, 14.6490** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **123.7760, 81.9350, -14.6490**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.3950, -60.0670, 25.8290**, and **42.7340, -56.9480, 18.8600** is the 20% darker color. If you saturate the color by 10%, you get **72.4840, -85.6030, 15.0450**, and if you desaturate by 10%, it is **89.3620, -73.6360, 12.9240**.

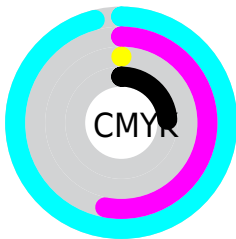
# Distribution



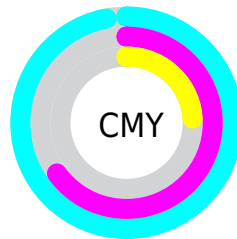
- Red (3%)
- Green (35%)
- Blue (76%)



- Red (3%)
- Yellow (25%)
- Blue (76%)



- Cyan (96%)
- Magenta (53%)
- Yellow (0%)
- Black (24%)



- Cyan (97%)
- Magenta (65%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.2240, -81.9350, 14.6490 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 77.2240, -81.9350, 14.6490 by changing the saturation by 10% instead.



■ 77.2240, -81.9350,  
14.6490

■ 77.2240, -81.9350,  
14.6490

■ 255.0000, -0.0000,  
-0.0000

■ 58.1390, -71.3900,  
16.2740

■ 139.3950,  
-60.0670, 25.8290

■ 42.7340, -56.9480,  
18.8600

■ 164.4960,  
-50.3460, 20.3580

■ 28.6170, -43.3770,  
20.7110

■ 189.3150,  
-39.8910, 12.5970

■ 9.9180, -27.9270,  
27.0570

■ 215.0200,  
-29.1150, 4.5250

■ 10.7040, -21.8730,  
16.4550

■ 241.0130,  
-19.2100, -4.2820

■ 6.3210, -13.6650,  
10.8710

■ 253.8040, -2.3840,

■ 2.6390, -6.0530,

-0.8480

5.0750

■ 0.0000, 0.0000,  
0.0000

■ 77.2240, -81.9350,  
14.6490

■ 77.2240, -81.9350,  
14.6490

■ 72.4840, -85.6030,  
15.0450

■ 89.3620, -73.6360,  
12.9240

■ 101.2120,  
-64.4660, 11.9340

■ 113.3500,  
-56.1670, 10.2090

■ 125.4880,  
-47.8680, 8.4840

■ 137.6260,  
-39.5690, 6.7590

■ 149.4760,  
-30.3990, 5.7690

■ 161.6140,  
-22.1000, 4.0440

■ 173.7520,  
-13.8010, 2.3190

■ 186.1890, -4.9060,  
0.8060

# Harmonies

## Analogous

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



85.0390, -92.0200, 4.6840



77.2240, -81.9350, 14.6490



95.7320, 8.4280, 45.5160

# Triad

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



77.2240, -81.9350, 14.6490



85.9770, 77.8960, 9.0000



75.4850, -54.0950, -38.3750

# Complementary

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



77.2240, -81.9350, 14.6490



123.7760, 81.9350, -14.6490

# 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.



65.7100, -33.4600, -54.4200



77.2240, -81.9350, 14.6490



88.7760, 55.5720, -15.9480

# Square

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



77.2240, -81.9350, 14.6490



79.0790, 78.9900, 44.2540



85.3000, 24.0770, -34.3790



82.2280, -71.7040, -22.1040



# Rectangle

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



77.2240, -81.9350, 14.6490



88.6670, 42.5840, 54.2640



85.3000, 24.0770, -34.3790



72.8460, -48.0420, -43.4500

# Sweetspot

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



77.2240, -81.9350, 14.6490



204.6930, -32.5080, 5.4440



128.2230, -83.6170, -65.0330



97.7560, -19.6240, 3.2240



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2240, -81.9350, 14.6490



93.6570, -110.7750, 19.6970



31.7810, -54.0210, 59.4430



91.0750, -4.5850, 0.4950



60.0310, -71.2060, 12.9380



12.5670, -14.7180, 2.4180



# Inverse Universe

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



72.6630, 83.9380, 64.7220



87.4040, 113.3690, 87.5210



169.2190, 54.0210, -59.4430



90.5600, 4.3550, 3.6750



56.2330, 73.1650, 56.2130



11.5770, 14.8530, 11.6610



# Previews

## White Background



This preview shows how the YIQ color 77.2240, -81.9350, 14.6490 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 77.2240, -81.9350, 14.6490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

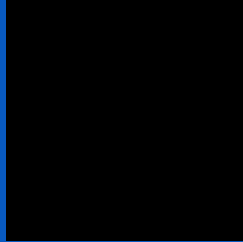
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 77.2240, -81.9350, 14.6490

## Background



This preview shows how black text looks on a background with the YIQ color 77.2240, -81.9350, 14.6490.



This preview shows how white text looks on a background with the YIQ color 77.2240, -81.9350,



# 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

77.2240, -81.9350, 14.6490

### Protanopia

74.7180, -86.3820, 12.6420

### Deuteranopia

75.2760, -79.6860, 1.4180



## Tritanopia

73.7020, -64.2310, -19.8710

# Trichromacy



## Original Color

77.2240, -81.9350, 14.6490

## Protanomaly

75.6150, -84.5940, 13.2780

## Deuteranomaly

76.1390, -80.5580, 6.2100

## Tritanomaly

75.0840, -70.6980, -7.2900

# Monochromacy



## Original Color

77.2240, -81.9350, 14.6490

## Achromatopsia

77.0000, -0.0000, -0.0000

## Achromatomaly

77.2480, -29.7570, 5.1470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.2240, -81.9350, 14.6490 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(8, 90, 193)` looks like.

```
.text, #text, p{  
    color:rgb(8, 90, 193)  
}
```

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(8, 90, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 90, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 77.2240, -81.9350, 14.6490 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(8, 90, 193) }
```



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

```
.border{ border-color:rgb(8, 90, 193) }
```

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

Here you see how a box with a 4 pixel rgb(8, 90, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 90, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 90, 193);  
box-shadow:4px 4px 4px 4px rgb(8, 90, 193)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 77.2240, -81.9350, 14.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 90, 193) }
```

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

```
.background{ background-color: rgb(8, 90,  
193) }
```

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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