

# Converting Colors

YIQ(105.8500, -77.9460,  
13.9420)

Have a look what the booklet for  
YIQ(105.8500, -77.9460, 13.9420)  
contains.

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# Color

**YIQ(105.8500, -77.9460,  
13.9420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2876D8
RGB	40, 118, 216
RGB Percent	16%, 46%, 85%
CMY	0.8432, 0.5371, 0.1533
CMYK	0.81, 0.45, 0.00, 0.15
HSL	213°, 69%, 50%
HSV	213°, 81%, 85%
XYZ	19.7381, 18.3679, 67.4042
YIQ	105.8500, -77.9460, 13.9420

# Conversions

## Conversions Part 2

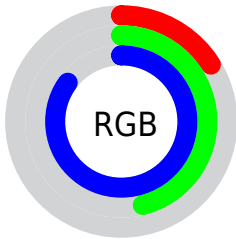
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 94, 216
Decimal	2651864
CIE <sub>Lab</sub>	49.94, 11.87, -56.76
CIE <sub>LCh</sub>	50, 57.993, 281.811
Yxy	18.3679, 0.1871, 0.1741
Android (android.graphics.Color)	4280841944 (0xFF2876D8)
YUV	105.8500, 54.3040, -57.7504
Hunter-Lab	42.8578, 7.2069, -63.2473

# Details

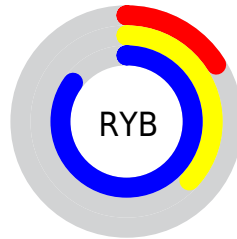
The YIQ color **105.8500, -77.9460, 13.9420** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **150.1500, 77.9460, -13.9420**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **162.9460, -60.6610, 14.5630**, and **59.9170, -70.8850, 12.6270** is the 20% darker color. If you saturate the color by 10%, you get **92.2280, -87.7580, 15.5540**, and if you desaturate by 10%, it is **119.4720, -68.1340, 12.3300**.

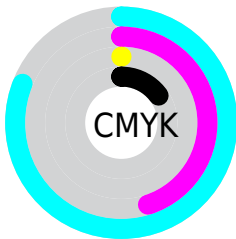
# Distribution



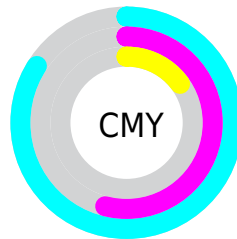
- Red (16%)
- Green (46%)
- Blue (85%)



- Red (16%)
- Yellow (37%)
- Blue (85%)



- Cyan (81%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)



- Cyan (84%)
- Magenta (54%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 105.8500, -77.9460, 13.9420 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 105.8500, -77.9460, 13.9420 by changing the saturation by 10% instead.



■ 105.8500,  
-77.9460, 13.9420

■ 105.8500,  
-77.9460, 13.9420

■ 255.0000, -0.0000,  
-0.0000

■ 76.6100, -86.1980,  
9.3060

■ 162.9460,  
-60.6610, 14.5630

■ 59.9170, -70.8850,  
12.6270

■ 188.0640,  
-49.6100, 7.0140

■ 44.0390, -56.4890,  
16.0470

■ 213.1820,  
-38.5590, -0.5350

■ 29.9220, -42.9180,  
17.8980

■ 239.1750,  
-28.6540, -9.3420

■ 10.6360, -27.1930,  
24.7670

■ 249.6180,  
-10.7280, -3.8160

■ 10.2480, -20.5890,  
15.2110

■ 5.2780, -12.1060,

10.1500

■ 1.3680, -3.8520,  
3.7320

■ 0.0000, 0.0000,  
0.0000

■ 105.8500,  
-77.9460, 13.9420

■ 105.8500,  
-77.9460, 13.9420

■ 92.2280, -87.7580,  
15.5540

■ 119.4720,  
-68.1340, 12.3300

■ 80.9760, -95.7360,  
16.9680

■ 132.7950,  
-58.9180, 10.5060

■ 146.4170,  
-49.1060, 8.8940

■ 159.7400,  
-39.8900, 7.0700

■ 173.3620,  
-30.0780, 5.4580

■ 186.9840,  
-20.2660, 3.8460

■ 200.3070,  
-11.0500, 2.0220

■ 213.9290, -1.2380,  
0.4100

■ 227.2520, 7.9780,  
-1.4140

# Harmonies

## Analogous

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



102.3530, -104.9480, -3.3160



105.8500, -77.9460, 13.9420



122.2960, -2.2080, 40.0320

# Triad

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



105.8500, -77.9460, 13.9420



114.1820, 76.0610, 14.7250



91.9840, -66.1060, -46.4740

# Complementary

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



105.8500, -77.9460, 13.9420



150.1500, 77.9460, -13.9420

# 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.



103.6210, -7.9240, -43.6360



105.8500, -77.9460, 13.9420



112.7080, 67.4470, -16.4010

# Square

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



105.8500, -77.9460, 13.9420



113.3230, 72.2510, 39.7310



109.2770, 40.0790, -38.0410



99.0860, -83.3480, -31.3480



# Rectangle

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



105.8500, -77.9460, 13.9420



120.2910, 31.7190, 47.4230



109.2770, 40.0790, -38.0410



88.8720, -60.0990, -50.7150

# Sweetspot

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



105.8500, -77.9460, 13.9420



216.8030, -27.0060, 4.8500



154.3700, -79.5370, -61.8810



104.6100, -16.2770, 3.1390



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.



105.8500, -77.9460, 13.9420



98.6570, -110.7750, 19.6970



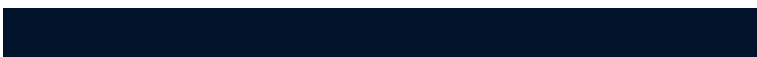
62.7550, -51.1320, 56.6440



100.1890, -4.9060, 0.8060



64.1060, -75.7910, 13.4330



16.0550, -19.0280, 3.4360



# Inverse Universe

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



101.5160, 79.8580, 61.5700



92.4040, 113.3690, 87.5210



193.2450, 51.1320, -56.6440



99.8590, 4.9510, 3.8870



59.7930, 77.5200, 59.8880

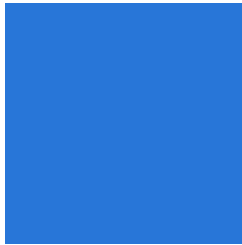


15.0230, 19.5290, 15.0250



# Previews

## White Background



This preview shows how the YIQ color 105.8500, -77.9460, 13.9420 looks on a white 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



# Black Background



This preview shows how the YIQ color 105.8500, -77.9460, 13.9420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

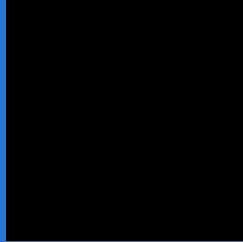
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

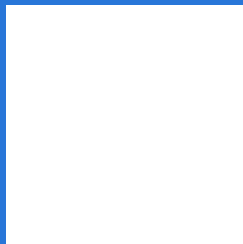
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 105.8500, -77.9460, 13.9420

## Background



This preview shows how black text looks on a background with the YIQ color 105.8500, -77.9460, 13.9420.



This preview shows how white text looks on a background with the YIQ color 105.8500, -77.9460, 13.9420.



# 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

105.8500, -77.9460, 13.9420

### Protanopia

113.0160, -57.6820, 21.1500

### Deuteranopia

94.7220, -101.3730, 3.4830



## Tritanopia

92.8570, -80.9650, -24.9730

# Trichromacy



## Original Color

105.8500, -77.9460, 13.9420

## Protanomaly

110.4280, -64.8340, 18.6060

## Deuteranomaly

98.7340, -92.4790, 7.4970

## Tritanomaly

97.5990, -79.6380, -10.4700

# Monochromacy



## Original Color

105.8500, -77.9460, 13.9420

## Achromatopsia

106.0000, -0.0000, -0.0000

## Achromatomaly

105.7320, -28.2440, 5.2600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 105.8500, -77.9460, 13.9420 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(40, 118, 216)` looks like.

```
.text, #text, p{  
    color:rgb(40, 118, 216)  
}
```

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(40, 118, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 118, 216) }
```

## Border

The CSS property to change the border of an element to YIQ 105.8500, -77.9460, 13.9420 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(40, 118, 216) }
```



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

```
.border{ border-color:rgb(40, 118, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 118, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 118, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 118, 216);  
box-shadow:4px 4px 4px 4px rgb(40, 118,  
216) }
```

# Background

The CSS property to change the background color of an element to YIQ 105.8500, -77.9460, 13.9420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 118, 216) }
```

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

```
.background{ background-color: rgb(40, 118,  
216) }
```

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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