

Converting Colors

YIQ(116.7760, -65.9340,
16.5140)

Have a look what the booklet for
YIQ(116.7760, -65.9340, 16.5140)
contains.

YIQ(116.7760, -65.9340, 16.5140)	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(116.7760, -65.9340,
16.5140)**

Conversions

Conversions Part 1

Format	Color
Hex	407CDA
RGB	64, 124, 218
RGB Percent	25%, 49%, 85%
CMY	0.7491, 0.5136, 0.1454
CMYK	0.71, 0.43, 0.00, 0.15
HSL	217°, 67%, 55%
HSV	217°, 71%, 85%
XYZ	21.9675, 20.5684, 69.0835
YIQ	116.7760, -65.9340, 16.5140

Conversions

Conversions Part 2

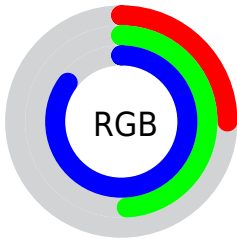
Format	Color
R _{YB}	64, 107, 218
Decimal	4226266
CIE Lab	52.47, 11.70, -53.80
CIE LCh	52, 55.056, 282.267
Yxy	20.5684, 0.1968, 0.1843
Android (android.graphics.Color)	4282416346 (0xFF407CDA)
YUV	116.7760, 49.9034, -46.2846
Hunter-Lab	45.3525, 7.0939, -58.5672

Details

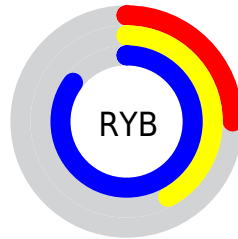
The YIQ color **116.7760, -65.9340, 16.5140** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle muted azure. A complement of this color would be **165.2240, 65.9340, -16.5140**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.9530, -53.3710, 14.6050**, and **63.0800, -72.9020, 10.6340** is the 20% darker color. If you saturate the color by 10%, you get **102.5670, -75.4710, 18.6490**, and if you desaturate by 10%, it is **130.9850, -56.3970, 14.3790**.

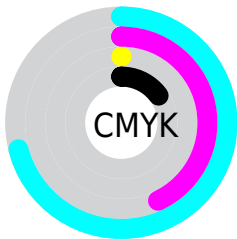
Distribution



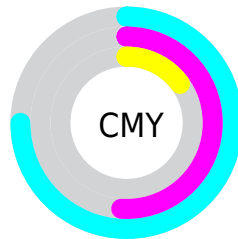
- Red (25%)
- Green (49%)
- Blue (85%)



- Red (25%)
- Yellow (42%)
- Blue (85%)



- Cyan (71%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)



- Cyan (75%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 116.7760, -65.9340, 16.5140 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 116.7760, -65.9340, 16.5140 by changing the saturation by 10% instead.

■ 116.7760,
-65.9340, 16.5140

■ 116.7760,
-65.9340, 16.5140

■ 255.0000, -0.0000,
-0.0000

■ 83.9590, -79.8710,
10.2810

■ 170.9530,
-53.3710, 14.6050

■ 63.0800, -72.9020,
10.6340

■ 195.7720,
-42.9160, 6.8440

■ 47.2020, -58.5060,
14.0540

■ 221.1780,
-32.7360, -1.4400

■ 32.4980, -44.6600,
16.4280

■ 244.2360,
-21.4560, -7.6320

■ 16.1470, -30.3100,
20.6820

■ 253.2060, -3.5760,
-1.2720

■ 10.4760, -21.2310,
15.8330

■ 5.5060, -12.7480,

10.7720

■ 2.2970, -5.0900,
4.1420

■ 0.0000, 0.0000,
0.0000

■ 116.7760,
-65.9340, 16.5140

■ 116.7760,
-65.9340, 16.5140

■ 102.5670,
-75.4710, 18.6490

■ 130.9850,
-56.3970, 14.3790

■ 87.7710, -84.7330,
21.3070

■ 145.7810,
-47.1350, 11.7210

■ 74.7470, -93.3530,
23.3430

■ 159.6910,
-38.1940, 9.3740

■ 173.9000,
-28.6570, 7.2390

■ 188.1090,
-19.1200, 5.1040

■ 202.9050, -9.8580,
2.4460

■ 217.1140, -0.3210,
0.3110

■ 231.0240, 8.6200,
-2.0360

■ 244.3250, 14.9020,
-5.7540

Harmonies

Analogous

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



105.5160, -106.9650, -5.3090



116.7760, -65.9340, 16.5140



128.8400, -0.9240, 38.7880

Triad

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



116.7760, -65.9340, 16.5140



121.9860, 73.6770, 13.8770



96.5320, -70.6450, -46.8130

Complementary

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



116.7760, -65.9340, 16.5140



165.2240, 65.9340, -16.5140

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.



111.2020, -8.0620, -41.1340



116.7760, -65.9340, 16.5140



120.9510, 62.4490, -13.9270

Square

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



116.7760, -65.9340, 16.5140



122.3610, 69.0880, 36.4800



116.9440, 36.8230, -34.0970



103.2920, -86.9240, -32.6200

Rectangle

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



116.7760, -65.9340, 16.5140



127.5250, 30.9400, 45.0200



116.9440, 36.8230, -34.0970



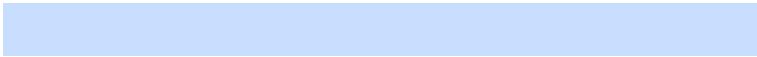
93.5340, -64.9590, -50.7430

Sweetspot

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



116.7760, -65.9340, 16.5140



219.4830, -23.1090, 5.8110



164.8860, -71.8820, -51.9300



106.6920, -13.5720, 3.6760



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.



116.7760, -65.9340, 16.5140



112.6330, -93.0320, 23.0320



86.0410, -40.4940, 51.0740



102.6020, -4.6310, 1.3290



59.6380, -74.2330, 18.2390



15.8100, -19.7160, 4.8920

Inverse Universe

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



116.8860, 72.5240, 51.3080



112.5730, 102.0470, 72.4390



195.9590, 40.4940, -51.0740



102.7450, 5.2720, 3.5760



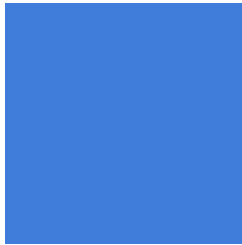
59.4790, 81.2800, 57.8240



15.8060, 21.6380, 15.3500

Previews

White Background



This preview shows how the YIQ color 116.7760, -65.9340, 16.5140 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 116.7760, -65.9340, 16.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

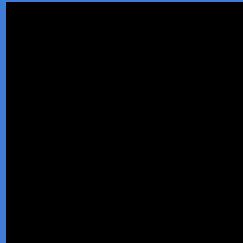
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

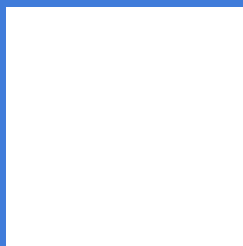
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 116.7760, -65.9340, 16.5140

Background



This preview shows how black text looks on a background with the YIQ color 116.7760, -65.9340, 16.5140.



This preview shows how white text looks on a background with the YIQ color 116.7760, -65.9340,

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

116.7760, -65.9340, 16.5140

Protanopia

120.3540, -52.8220, 21.1780

Deuteranopia

112.7530, -76.2950, 11.5530



Tritanopia

97.9920, -85.7790, -25.8350

Trichromacy



Original Color

116.7760, -65.9340, 16.5140

Protanomaly

118.9620, -57.5900, 19.4820

Deuteranomaly

113.9600, -72.4440, 13.3480

Tritanomaly

104.7840, -78.7210, -10.5690

Monochromacy



Original Color

116.7760, -65.9340, 16.5140

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

117.2980, -24.0260, 5.9100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.7760, -65.9340, 16.5140 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(64, 124, 218)` looks like.

```
.text, #text, p{  
    color:rgb(64, 124, 218)  
}
```

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(64, 124, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 124, 218) }
```

Border

The CSS property to change the border of an element to YIQ 116.7760, -65.9340, 16.5140 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(64, 124, 218) }
```


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

```
.border{ border-color:rgb(64, 124, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 124, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 124, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 124, 218);  
box-shadow:4px 4px 4px 4px rgb(64, 124,  
218) }
```

Background

The CSS property to change the background color of an element to YIQ 116.7760, -65.9340, 16.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 124, 218) }
```

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

```
.background{ background-color: rgb(64, 124,  
218) }
```

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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