

Converting Colors

YIQ(84.7900, -51.3540, 16.5980)

Have a look what the booklet for
YIQ(84.7900, -51.3540, 16.5980)
contains.

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Color

**YIQ(84.7900, -51.3540,
16.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	2E58AA
RGB	46, 88, 170
RGB Percent	18%, 35%, 67%
CMY	0.8196, 0.6548, 0.3336
CMYK	0.73, 0.48, 0.00, 0.33
HSL	220°, 57%, 42%
HSV	220°, 73%, 67%
XYZ	11.8666, 10.4626, 39.3905
YIQ	84.7900, -51.3540, 16.5980

Conversions

Conversions Part 2

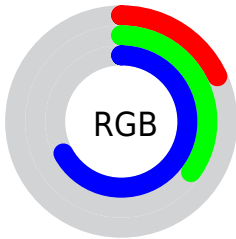
Format	Color
R _Y B	46, 77, 170
Decimal	3037354
CIE Lab	38.66, 14.30, -48.27
CIE LCh	39, 50.339, 286.498
Yxy	10.4626, 0.1923, 0.1695
Android (android.graphics.Color)	4281227434 (0xFF2E58AA)
YUV	84.7900, 42.0085, -34.0188
Hunter-Lab	32.3460, 8.8798, -49.5603




Details

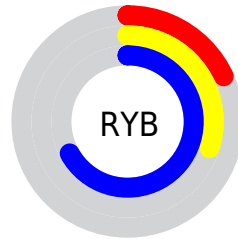
The YIQ color **84.7900, -51.3540, 16.5980** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **131.2100, 51.3540, -16.5980**, and the grayscale version is **84.0000, -0.0000, -0.0000**.



A 20% lighter version of the original color is **138.4750, -45.8530, 21.5310**, and **39.1660, -49.6570, 13.3750** is the 20% darker color. If you saturate the color by 10%, you get **73.2500, -58.4610, 18.7470**, and if you desaturate by 10%, it is **96.3300, -44.2470, 14.4490**.

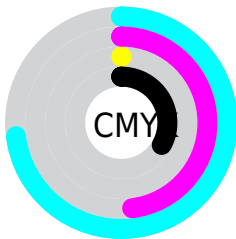
Distribution







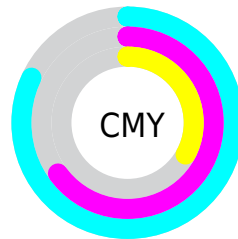
-  Red (18%)
-  Green (35%)
-  Blue (67%)






-  Red (18%)
-  Yellow (30%)
-  Blue (67%)



-  Cyan (73%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7900, -51.3540, 16.5980 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 84.7900, -51.3540, 16.5980 by changing the saturation by 10% instead.

■ 84.7900, -51.3540,
16.5980

■ 84.7900, -51.3540,
16.5980

■ 255.0000, -0.0000,
-0.0000

■ 54.4570, -63.7780,
10.4780

■ 138.4750,
-45.8530, 21.5310

■ 39.1660, -49.6570,
13.3750

■ 166.3010,
-45.3030, 22.5770

■ 24.5760, -36.1320,
16.0600

■ 190.2340,
-35.1690, 15.1270

■ 8.3390, -22.1030,
20.6250

■ 215.3410,
-25.5850, 6.6310

■ 6.7770, -14.9490,
12.1150

■ 241.0350,
-16.2760, -2.3880

■ 3.2090, -7.6580,
6.6300

■ 254.7010, -0.5960,

■ 0.0000, 0.0000,

-0.2120

0.0000

■ 84.7900, -51.3540,
16.5980

■ 84.7900, -51.3540,
16.5980

■ 73.2500, -58.4610,
18.7470

■ 96.3300, -44.2470,
14.4490

■ 61.7100, -65.5680,
20.8960

■ 107.8700,
-37.1400, 12.3000

■ 53.4260, -70.5200,
22.5360

■ 119.9970,
-30.3080, 9.6280

■ 131.5370,
-23.2010, 7.4790

■ 143.0770,
-16.0940, 5.3300

■ 154.6170, -8.9870,
3.1810

■ 166.7440, -2.1550,
0.5090

■ 178.2840, 4.9520,
-1.6400

■ 189.8240, 12.0590,
-3.7890

Harmonies

Analogous

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



78.7810, -82.6660, 0.3580



84.7900, -51.3540, 16.5980



93.5540, 5.6330, 35.5930

Triad

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



84.7900, -51.3540, 16.5980



86.6640, 62.7200, 8.7040



72.0770, -52.7660, -34.9260

Complementary

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



84.7900, -51.3540, 16.5980



131.2100, 51.3540, -16.5980

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.



75.7160, -15.2610, -37.3170



84.7900, -51.3540, 16.5980



85.5090, 51.9500, -16.3860

Square

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



84.7900, -51.3540, 16.5980



85.4800, 61.2030, 30.6990



82.9630, 26.6440, -31.3400



77.4520, -66.5230, -22.3870

Rectangle

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



84.7900, -51.3540, 16.5980



90.6620, 31.8120, 40.2280



82.9630, 26.6440, -31.3400



69.3070, -47.7220, -38.2340

Sweetspot

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



84.7900, -51.3540, 16.5980



188.5650, -20.4040, 6.3480



128.0220, -60.1010, -39.6610



92.1760, -12.0590, 3.7890



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



84.7900, -51.3540, 16.5980



87.9720, -80.7450, 26.1270



65.8170, -28.4800, 42.5920



78.6730, -3.3930, 0.9190



46.2220, -61.2580, 19.8780



6.3890, -8.3450, 2.5590

Inverse Universe

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



87.8640, 60.4220, 39.3500



92.8290, 95.0340, 61.8660



150.1830, 28.4800, -42.5920



78.7340, 3.8050, 2.6290



49.9520, 72.1580, 46.9260



6.7780, 9.6730, 6.4170

Previews

White Background



This preview shows how the YIQ color 84.7900, -51.3540, 16.5980 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 84.7900, -51.3540, 16.5980 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 84.7900, -51.3540, 16.5980

Background



This preview shows how black text looks on a background with the YIQ color 84.7900, -51.3540, 16.5980.



This preview shows how white text looks on a background with the YIQ color 84.7900, -51.3540,

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

84.7900, -51.3540, 16.5980

Protanopia

85.0890, -50.7580, 16.8100

Deuteranopia

72.5860, -77.6230, 2.5770



Tritanopia

71.5990, -62.4430, -19.2350

Trichromacy



Original Color

84.7900, -51.3540, 16.5980

Protanomaly

85.0890, -50.7580, 16.8100

Deuteranomaly

77.4240, -68.1790, 7.6370

Tritanomaly

76.3690, -58.3190, -5.8630

Monochromacy



Original Color

84.7900, -51.3540, 16.5980

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.9350, -18.5700, 6.1500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.7900, -51.3540, 16.5980 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(46, 88, 170)` looks like.

```
.text, #text, p{  
    color:rgb(46, 88, 170)  
}
```

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(46, 88, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 88, 170) }
```

Border

The CSS property to change the border of an element to YIQ 84.7900, -51.3540, 16.5980 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(46, 88, 170) }
```


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

```
.border{ border-color:rgb(46, 88, 170) }
```

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

Here you see how a box with a 4 pixel rgb(46, 88, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 88, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 88, 170);  
box-shadow:4px 4px 4px 4px rgb(46, 88,  
170) }
```

Background

The CSS property to change the background color of an element to YIQ 84.7900, -51.3540, 16.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 88, 170) }
```

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

```
.background{ background-color: rgb(46, 88,  
170) }
```

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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