

Converting Colors

YIQ(109.8540, -49.3790,
-2.6830)

Have a look what the booklet for
YIQ(109.8540, -49.3790, -2.6830)
contains.

YIQ(109.8540, -49.3790, -2.6830)	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(109.8540, -49.3790,
-2.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7DA0
RGB	61, 125, 160
RGB Percent	24%, 49%, 63%
CMY	0.7609, 0.5097, 0.3728
CMYK	0.62, 0.22, 0.00, 0.37
HSL	201°, 45%, 43%
HSV	201°, 62%, 63%
XYZ	15.5996, 18.2012, 35.9226
YIQ	109.8540, -49.3790, -2.6830

Conversions

Conversions Part 2

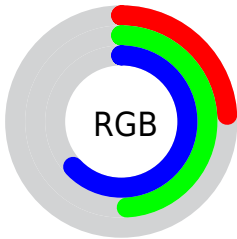
Format	Color
R _Y B	61, 100, 160
Decimal	4029856
CIE Lab	49.74, -9.60, -24.85
CIE LCh	50, 26.645, 248.873
Yxy	18.2012, 0.2237, 0.2610
Android (android.graphics.Color)	4282219936 (0xFF3D7DA0)
YUV	109.8540, 24.7220, -42.8450
Hunter-Lab	42.6628, -9.3916, -20.0589

Details

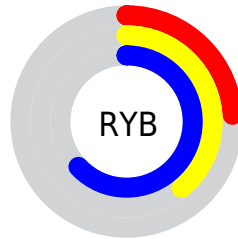
The YIQ color **109.8540, -49.3790, -2.6830** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **111.1460, 49.3790, 2.6830**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.9790, -48.2330, -1.4250**, and **56.9240, -55.5680, -6.1600** is the 20% darker color. If you saturate the color by 10%, you get **101.5480, -57.2650, -2.9370**, and if you desaturate by 10%, it is **118.1600, -41.4930, -2.4290**.

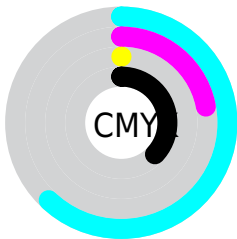
Distribution



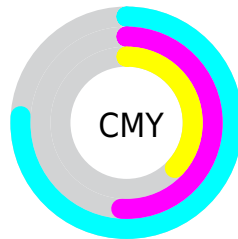
- Red (24%)
- Green (49%)
- Blue (63%)



- Red (24%)
- Yellow (39%)
- Blue (63%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)



- Cyan (76%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.8540, -49.3790, -2.6830 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 109.8540, -49.3790, -2.6830 by changing the saturation by 10% instead.

■ 109.8540,
-49.3790, -2.6830

■ 109.8540,
-49.3790, -2.6830

■ 255.0000, -0.0000,
-0.0000

■ 82.3480, -53.8260,
-4.6900

■ 163.9790,
-48.2330, -1.4250

■ 56.9240, -55.5680,
-6.1600

■ 191.3920,
-47.9580, -0.9020

■ 41.2740, -41.8140,
-2.1180

■ 217.8670,
-42.2260, -5.6660

■ 25.7380, -28.3810,
2.2350

■ 239.1530,
-31.5880, -11.2360

■ 6.2070, -13.3440,
10.5600

■ 247.8240,
-14.3040, -5.0880

■ 2.4110, -5.4110,
4.4530

■ 0.0000, 0.0000,

0.0000

■ 109.8540,
-49.3790, -2.6830

■ 109.8540,
-49.3790, -2.6830

■ 101.5480,
-57.2650, -2.9370

■ 118.1600,
-41.4930, -2.4290

■ 93.8290, -65.4260,
-3.7140

■ 125.8790,
-33.3320, -1.6520

■ 85.5230, -73.3120,
-3.9680

■ 134.1850,
-25.4460, -1.3980

■ 79.2880, -79.9600,
-4.6320

■ 142.4910,
-17.5600, -1.1440

■ 150.2100, -9.3990,
-0.3670

■ 158.5160, -1.5130,
-0.1130

■ 166.8220, 6.3730,
0.1410

■ 174.5410, 14.5340,
0.9180

■ 182.8470, 22.4200,
1.1720

Harmonies

Analogous

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



102.8320, -61.4810, -14.6410



109.8540, -49.3790, -2.6830



116.8510, -26.9610, 9.5430

Triad

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



109.8540, -49.3790, -2.6830



120.4930, 32.8250, 16.3530



113.2210, 0.0950, -18.2490

Complementary

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



109.8540, -49.3790, -2.6830



111.1460, 49.3790, 2.6830

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.



116.1480, 19.5340, -12.6100



109.8540, -49.3790, -2.6830



119.2620, 37.5490, 7.8290

Square

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



109.8540, -49.3790, -2.6830



121.2990, 18.9320, 20.3400



117.7740, 32.6910, -3.2530



109.6620, -23.1960, -20.1560

Rectangle

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



109.8540, -49.3790, -2.6830



120.2230, -10.2730, 15.4790



117.7740, 32.6910, -3.2530



114.2820, 7.2930, -16.5390

Sweetspot

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



109.8540, -49.3790, -2.6830



188.8220, -19.9900, -1.1580



123.1030, -38.4600, -40.8920



92.5410, -11.8290, -0.3810



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



109.8540, -49.3790, -2.6830



130.9570, -77.5300, -4.6180



81.0910, -35.9040, 22.9440



74.8470, -3.9430, -0.1270



70.3060, -71.2030, -3.6430



7.5800, -7.5650, -0.5650

Inverse Universe

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



97.8970, 38.4600, 40.8920



111.8590, 59.9590, 64.2710



139.9090, 35.9040, -22.9440



73.9620, 3.1630, 3.2510



53.2450, 55.6960, 58.9280



5.6250, 5.7300, 6.2900

Previews

White Background



This preview shows how the YIQ color 109.8540, -49.3790, -2.6830 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 109.8540, -49.3790, -2.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

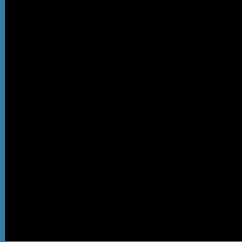
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 109.8540, -49.3790, -2.6830

Background



This preview shows how black text looks on a background with the YIQ color 109.8540, -49.3790, -2.6830.



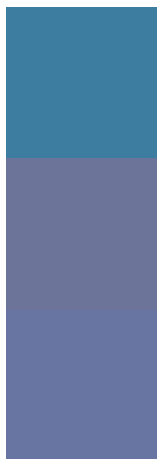
This preview shows how white text looks on a background with the YIQ color 109.8540, -49.3790, -2.6830.

-2.6830.

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

109.8540, -49.3790, -2.6830

Protanopia

117.8260, -16.6450, 9.8110

Deuteranopia

117.6560, -21.9180, 11.7620



Tritanopia

106.8180, -49.6980, -13.4260

Trichromacy



Original Color

109.8540, -49.3790, -2.6830

Protanomaly

114.8460, -28.5650, 5.5710

Deuteranomaly

114.5190, -31.9580, 6.4900

Tritanomaly

108.3390, -49.6070, -9.5670

Monochromacy



Original Color

109.8540, -49.3790, -2.6830

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.6050, -17.8810, -0.8330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.8540, -49.3790, -2.6830 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(61, 125, 160)` looks like.

```
.text, #text, p{  
    color:rgb(61, 125, 160)  
}
```

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(61, 125, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 125, 160) }
```

Border

The CSS property to change the border of an element to YIQ 109.8540, -49.3790, -2.6830 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(61, 125, 160) }
```


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

```
.border{ border-color:rgb(61, 125, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 125, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 125, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 125, 160);  
box-shadow:4px 4px 4px 4px rgb(61, 125,  
160) }
```

Background

The CSS property to change the background color of an element to YIQ 109.8540, -49.3790, -2.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 125, 160) }
```

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

```
.background{ background-color: rgb(61, 125,  
160) }
```

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