

# Converting Colors

YIQ(109.1720, -84.1840,  
27.8800)

Have a look what the booklet for  
YIQ(109.1720, -84.1840, 27.8800)  
contains.

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# Color

**YIQ(109.1720, -84.1840,  
27.8800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E72FA
RGB	46, 114, 250
RGB Percent	18%, 45%, 98%
CMY	0.8196, 0.5528, 0.0200
CMYK	0.82, 0.54, 0.00, 0.02
HSL	220°, 95%, 58%
HSV	220°, 82%, 98%
XYZ	24.3842, 19.5166, 92.8323
YIQ	109.1720, -84.1840, 27.8800

# Conversions

## Conversions Part 2

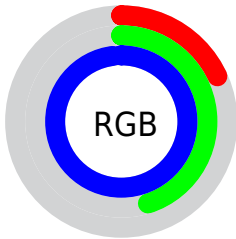
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	46, 97, 250
Decimal	3044090
CIE Lab	51.29, 27.68, -73.63
CIE LCh	51, 78.666, 290.602
Yxy	19.5166, 0.1783, 0.1427
Android (android.graphics.Color)	4281234170 (0xFF2E72FA)
YUV	109.1720, 69.4282, -55.4018
Hunter-Lab	44.1776, 21.2134, -93.6641

# Details

The YIQ color **109.1720, -84.1840, 27.8800** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **186.8280, 84.1840, -27.8800**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.3000, -52.7300, 19.5100**, and **61.2170, -80.0570, 24.6710** is the 20% darker color. If you saturate the color by 10%, you get **91.7180, -94.4090, 31.4710**, and if you desaturate by 10%, it is **126.6260, -73.9590, 24.2890**.

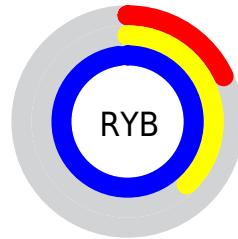
# Distribution



Red (18%)

Green (45%)

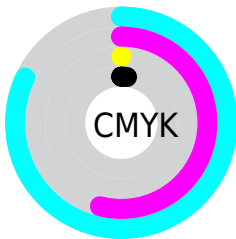
Blue (98%)



Red (18%)

Yellow (38%)

Blue (98%)

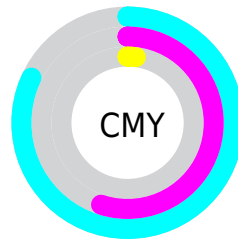


Cyan (82%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (82%)

Magenta (55%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.1720, -84.1840, 27.8800 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 109.1720, -84.1840, 27.8800 by changing the saturation by 10% instead.



■ 109.1720,  
-84.1840, 27.8800

■ 109.1720,  
-84.1840, 27.8800

■ 255.0000, -0.0000,  
-0.0000

■ 78.0240, -95.6910,  
21.6610

■ 163.3000,  
-52.7300, 19.5100

■ 61.2170, -80.0570,  
24.6710

■ 189.0160,  
-40.4870, 12.3850

■ 45.6980, -65.2940,  
26.9460

■ 214.7210,  
-29.7110, 4.3130

■ 32.0540, -51.6770,  
27.9630

■ 240.7250,  
-18.3390, -3.5470

■ 15.0020, -36.7310,  
32.4290

■ 254.1030, -1.7880,  
-0.6360

■ 16.8480, -30.9060,  
20.4700

■ 10.4760, -21.2310,

15.8330

■ 6.2070, -13.3440,  
10.5600

■ 2.4110, -5.4110,  
4.4530

■ 109.1720,  
-84.1840, 27.8800

■ 109.1720,  
-84.1840, 27.8800

■ 91.7180, -94.4090,  
31.4710

■ 126.6260,  
-73.9590, 24.2890

■ 77.2210,  
-103.0750, 34.3410

■ 143.4930,  
-63.4590, 21.2210

■ 160.9470,  
-53.2340, 17.6300

■ 178.4010,  
-43.0090, 14.0390

■ 195.2680,  
-32.5090, 10.9710

■ 212.7220,  
-22.2840, 7.3800

■ 230.1760,  
-12.0590, 3.7890

■ 247.0430, -1.5590,  
0.7210

■ 254.4300, 1.6050,  
-1.5550

# Harmonies

## Analogous

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



109.4890, -119.5300, 7.6540



109.1720, -84.1840, 27.8800



122.8450, 19.0160, 62.8880

# Triad

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



109.1720, -84.1840, 27.8800



110.1030, 103.6640, 4.5600



98.6350, -72.4330, -47.4490

# Complementary

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



109.1720, -84.1840, 27.8800



186.8280, 84.1840, -27.8800

# 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.



86.8080, -46.0200, -69.0920



109.1720, -84.1840, 27.8800



115.3780, 68.1360, -23.3840

# Square

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



109.1720, -84.1840, 27.8800



99.6420, 105.6260, 57.1300



109.1670, 25.4090, -47.5110



107.7890, -95.4530, -26.7250



# Rectangle

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



109.1720, -84.1840, 27.8800



110.4500, 63.0290, 74.7170



109.1670, 25.4090, -47.5110



95.3120, -64.4540, -54.3900

# Sweetspot

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



109.1720, -84.1840, 27.8800



212.6940, -25.0810, 8.5110



180.9100, -98.7930, -65.3290



102.2620, -15.1770, 5.2310



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.



109.1720, -84.1840, 27.8800



82.2210, -103.0750, 34.3410



78.5250, -47.0080, 70.0160



116.4170, -5.5480, 1.4280



58.5270, -77.9940, 25.8300



18.6940, -25.0810, 8.5110



# Inverse Universe

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



114.7480, 99.7560, 64.3960



89.2120, 122.3570, 78.8130



217.4750, 47.0080, -70.0160



116.4570, 6.1430, 4.3110



63.6930, 92.4210, 59.6610



20.5190, 29.9360, 19.1520



# Previews

## White Background



This preview shows how the YIQ color 109.1720, -84.1840, 27.8800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

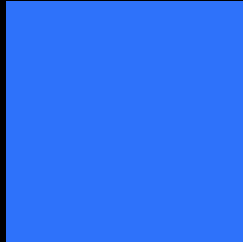
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 109.1720, -84.1840, 27.8800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

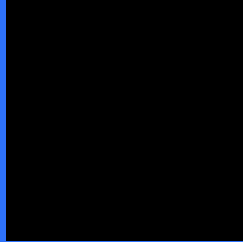
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

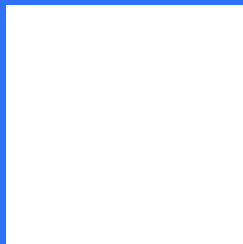
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 109.1720, -84.1840, 27.8800

## Background



This preview shows how black text looks on a background with the YIQ color 109.1720, -84.1840, 27.8800.



This preview shows how white text looks on a background with the YIQ color 109.1720, -84.1840, 27.8800.



# 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

109.1720, -84.1840, 27.8800

### Protanopia

96.9510, -111.7830, 15.9370

### Deuteranopia

97.1840, -102.7940, 1.7020



## Tritanopia

95.6610, -83.3490, -25.8210

# Trichromacy



## Original Color

109.1720, -84.1840, 27.8800

## Protanomaly

101.5610, -101.6970, 20.3750

## Deuteranomaly

101.4010, -95.7350, 11.4410

## Tritanomaly

100.4940, -83.5360, -5.9040

# Monochromacy



## Original Color

109.1720, -84.1840, 27.8800

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

109.1110, -30.6290, 9.9390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.1720, -84.1840, 27.8800 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, 114, 250)` looks like.

```
.text, #text, p{  
    color:rgb(46, 114, 250)  
}
```

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, 114, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 114, 250) }
```

## Border

The CSS property to change the border of an element to YIQ 109.1720, -84.1840, 27.8800 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, 114, 250) }
```



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

```
.border{ border-color:rgb(46, 114, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 114, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 114, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 114, 250);  
box-shadow:4px 4px 4px 4px rgb(46, 114,  
250) }
```

# Background

The CSS property to change the background color of an element to YIQ 109.1720, -84.1840, 27.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 114, 250) }
```

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

```
.background{ background-color: rgb(46, 114,  
250) }
```

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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