

# Converting Colors

YIQ(109.5560, 133.9660,  
28.0940)

Have a look what the booklet for  
YIQ(109.5560, 133.9660, 28.0940)  
contains.

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# Color

**YIQ(109.5560, 133.9660,  
28.0940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3709
RGB	255, 55, 9
RGB Percent	100%, 22%, 4%
CMY	0.0000, 0.7846, 0.9641
CMYK	0.00, 0.78, 0.96, 0.00
HSL	11°, 100%, 52%
HSV	11°, 96%, 100%
XYZ	42.6523, 24.0044, 2.6479
YIQ	109.5560, 133.9660, 28.0940

# Conversions

## Conversions Part 2

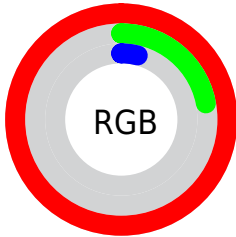
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 66, 9
Decimal	16725769
CIE <sub>Lab</sub>	56.09, 72.06, 66.35
CIE <sub>LCh</sub>	56, 97.954, 42.640
Yxy	24.0044, 0.6154, 0.3464
Android (android.graphics.Color)	4294915849 (0xFFFF3709)
YUV	109.5560, -49.5741, 127.5544
Hunter-Lab	48.9943, 69.6542, 31.0917

# Details

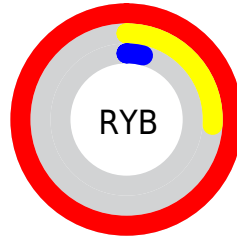
The YIQ color **109.5560, 133.9660, 28.0940** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **154.4440, -133.9660, -28.0940**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.6220, 98.0690, 12.3490**, and **56.2120, 112.0480, 39.8560** is the 20% darker color. If you saturate the color by 10%, you get **103.8340, 139.0550, 29.4790**, and if you desaturate by 10%, it is **124.8470, 119.8450, 25.1970**.

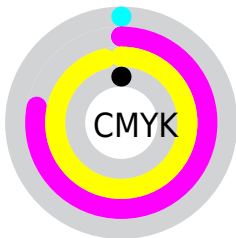
# Distribution



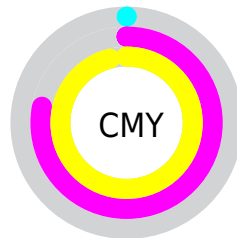
- Red (100%)
- Green (22%)
- Blue (4%)



- Red (100%)
- Yellow (26%)
- Blue (4%)



- Cyan (0%)
- Magenta (78%)
- Yellow (96%)
- Black (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.5560, 133.9660, 28.0940 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 109.5560, 133.9660, 28.0940 by changing the saturation by 10% instead.





 109.5560,  
133.9660, 28.0940


 109.5560,  
133.9660, 28.0940


255.0000, -0.0000,  
-0.0000


 66.0790, 131.7160,  
46.8520


 153.6220, 98.0690,  
12.3490


 56.2120, 112.0480,  
39.8560


 173.6090, 81.7480,  
5.2680


 46.3450, 92.3800,  
32.8600


 194.1830, 65.1520,  
-2.3360

 36.7770, 73.3080,  
26.0760

 214.2840, 48.5100,  
-9.1060

 27.4370, 53.5940,  
19.9140

 235.0860, 31.2720,  
-16.0880


 18.5810, 35.3930,  
13.8650

 248.8440, 17.3340,


 7.5890, 14.5790,

-16.7940

5.6110

 252.0360, 8.3460,  
-8.0860

 0.0000, 0.0000,  
0.0000


 109.5560,  
133.9660, 28.0940


 109.5560,  
133.9660, 28.0940


 103.8340,  
139.0550, 29.4790

 124.8470,  
119.8450, 25.1970

 139.4370,  
106.3200, 22.5120

 154.7280, 92.1990,  
19.6150

 169.9050, 78.3990,  
16.4070

 185.1960, 64.2780,  
13.5100

199.7860, 50.7530,  
10.8250

215.0770, 36.6320,  
7.9280

230.2540, 22.8320,  
4.7200

245.5450, 8.7110,  
1.8230

# Harmonies

## Analogous

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



87.9870, 118.9170, 86.0930



109.5560, 133.9660, 28.0940



126.4410, 90.1880, -15.5400

# Triad

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



109.5560, 133.9660, 28.0940



106.4480, -71.0090, -62.2490



107.7280, -118.7050, 9.2230

# Complementary

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



109.5560, 133.9660, 28.0940



154.4440, -133.9660, -28.0940

# 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.



121.8160, -125.3050, -3.3290



109.5560, 133.9660, 28.0940



118.5830, -101.0450, -35.5170

# Square

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



109.5560, 133.9660, 28.0940



92.7460, -43.4500, -82.6340



127.1160, -126.4500, -10.1140



133.6490, -0.5630, 70.8050



# Rectangle

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



109.5560, 133.9660, 28.0940



125.6010, 56.7220, -36.7980



127.1160, -126.4500, -10.1140



114.1850, -121.7300, 3.4700

# Sweetspot

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



109.5560, 133.9660, 28.0940



211.3440, 40.2540, 8.3660



105.4680, 82.0950, 114.6630



101.1510, 24.6200, 5.3560



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.



109.5560, 133.9660, 28.0940



103.8340, 139.0550, 29.4790



181.1700, 100.4160, -35.7120



120.0610, 7.1980, 1.7100



78.2410, 103.9360, 21.6640

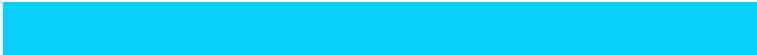


26.1800, 34.8440, 7.2920

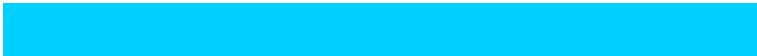


# Inverse Universe

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



154.4440, -133.9660, -28.0940



151.1660, -139.0550, -29.4790



82.8300, -100.4160, 35.7120



122.3520, -6.9230, -1.1870



113.3460, -104.2110, -22.1870



37.8200, -34.8440, -7.2920



# Previews

## White Background



This preview shows how the YIQ color 109.5560, 133.9660, 28.0940 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 109.5560, 133.9660, 28.0940 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 109.5560, 133.9660, 28.0940

## Background



This preview shows how black text looks on a background with the YIQ color 109.5560, 133.9660, 28.0940.



This preview shows how white text looks on a background with the YIQ color 109.5560, 133.9660,



# 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

109.5560, 133.9660, 28.0940

### Protanopia

128.3410, 43.1950, -28.4290

### Deuteranopia

125.9660, 66.1200, -30.9040



## Tritanopia

113.3980, 120.3920, 42.8240

# Trichromacy



## Original Color

109.5560, 133.9660, 28.0940

## Protanomaly

121.4690, 75.7900, -7.9060

## Deuteranomaly

119.7280, 91.0580, -9.2780

## Tritanomaly

112.1610, 125.2530, 37.3250

# Monochromacy



## Original Color

109.5560, 133.9660, 28.0940

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

109.8890, 48.9650, 10.1890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.5560, 133.9660, 28.0940 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(255, 55, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 9)  
}
```

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(255, 55, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 9) }
```

## Border

The CSS property to change the border of an element to YIQ 109.5560, 133.9660, 28.0940 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(255, 55, 9) }
```



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

```
.border{ border-color:rgb(255, 55, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 55, 9)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 109.5560, 133.9660, 28.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 9) }
```

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

```
.background{ background-color: rgb(255, 55,  
9) }
```

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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