

# Converting Colors

YIQ(164.2520, 59.5630,  
-27.7090)

Have a look what the booklet for  
YIQ(164.2520, 59.5630, -27.7090)  
contains.

<b>YIQ(164.2520, 59.5630, -27.7090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(164.2520, 59.5630,  
-27.7090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCA633
RGB	204, 166, 51
RGB Percent	80%, 65%, 20%
CMY	0.2000, 0.3491, 0.7997
CMYK	0.00, 0.19, 0.75, 0.20
HSL	45°, 60%, 50%
HSV	45°, 75%, 80%
XYZ	39.1358, 40.3443, 8.8661
YIQ	164.2520, 59.5630, -27.7090

# Conversions

## Conversions Part 2

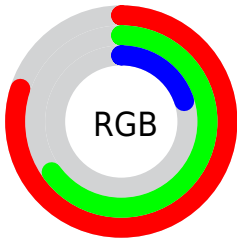
Format	Color
<a href="#">RYB</a>	<a href="#">102, 204, 51</a>
Decimal	<a href="#">13411891</a>
CIELab	<a href="#">69.71, 2.52, 61.10</a>
CIELCh	<a href="#">70, 61.148, 87.639</a>
Yxy	<a href="#">40.3443, 0.4430, 0.4567</a>
Android (android.graphics.Color)	<a href="#">4291601971</a> ( <a href="#">0xFFCCA633</a> )
YUV	<a href="#">164.2520, -55.8332, 34.8590</a>
Hunter-Lab	<a href="#">63.5172, -1.1732, 36.1860</a>

# Details

The YIQ color **164.2520, 59.5630, -27.7090** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **90.7480, -59.5630, 27.7090**, and the grayscale version is **165.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.9420, 57.5000, -28.8680**, and **111.1590, 55.3910, -29.1930** is the 20% darker color. If you saturate the color by 10%, you get **159.0370, 67.3580, -31.3140**, and if you desaturate by 10%, it is **169.4670, 51.7680, -24.1040**.

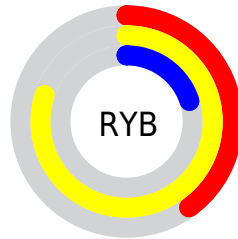
# Distribution



Red (80%)

Green (65%)

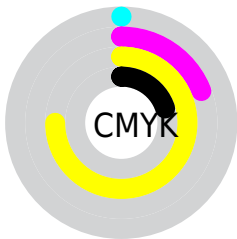
Blue (20%)



Red (40%)

Yellow (80%)

Blue (20%)

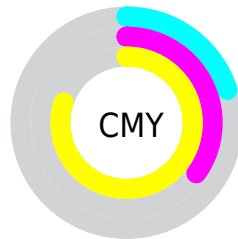


Cyan (0%)

Magenta (19%)

Yellow (75%)

Black (20%)



Cyan (20%)

Magenta (35%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.2520, 59.5630, -27.7090 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 164.2520, 59.5630, -27.7090 by changing the saturation by 10% instead.



■ 164.2520, 59.5630,  
-27.7090

■ 164.2520, 59.5630,  
-27.7090

■ 255.0000, -0.0000,  
-0.0000

■ 136.6710, 59.7010,  
-30.2110

■ 217.9420, 57.5000,  
-28.8680

■ 111.1590, 55.3910,  
-29.1930

■ 237.4560, 41.1330,  
-35.1150

■ 87.8130, 44.9820,  
-22.2660

■ 244.1700, 30.4950,  
-29.5450

■ 66.2390, 35.2150,  
-15.9610

■ 247.3620, 21.5070,  
-20.8370

■ 45.2520, 25.1730,  
-10.1790

■ 250.6680, 12.1980,  
-11.8180

■ 26.0370, 15.7730,  
-5.0190

■ 253.9740, 2.8890,

■ 0.8970, 1.7880,

-2.7990

0.6360

■ 0.0000, 0.0000,  
0.0000

■ 164.2520, 59.5630,  
-27.7090

■ 164.2520, 59.5630,  
-27.7090

■ 159.0370, 67.3580,  
-31.3140

■ 169.4670, 51.7680,  
-24.1040

■ 153.7080, 75.4740,  
-35.2300

■ 174.7960, 43.6520,  
-20.1880

■ 150.8070, 79.5090,  
-36.7710

■ 180.0110, 35.8570,  
-16.5830

■ 185.3400, 27.7410,  
-12.6670

■ 190.5550, 19.9460,  
-9.0620

■ 195.7700, 12.1510,  
-5.4570

■ 201.0990, 4.0350,  
-1.5410

■ 206.9010, -4.0350,  
1.5410

■ 212.2300,  
-12.1510, 5.4570

# Harmonies

## Analogous

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



167.3330, 82.3450, -0.0470



164.2520, 59.5630, -27.7090



158.7950, 17.8890, -43.3830

# Triad

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



164.2520, 59.5630, -27.7090



140.7190, -124.7950, -34.6110



174.9580, 28.4630, 51.3670

# Complementary

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



164.2520, 59.5630, -27.7090



90.7480, -59.5630, 27.7090

# 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.



170.2650, -27.2860, 31.9620



164.2520, 59.5630, -27.7090



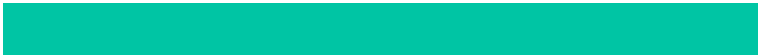
141.1870, -134.3800, -20.5880

# Square

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



164.2520, 59.5630, -27.7090



134.3350, -106.8190, -52.0270



133.5560, -130.8050, -13.7890



166.8630, 62.1630, 46.3470



# Rectangle

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



164.2520, 59.5630, -27.7090



153.1140, -19.7980, -48.7100



133.5560, -130.8050, -13.7890



175.6830, 10.1240, 47.8200

# Sweetspot

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



164.2520, 59.5630, -27.7090



240.3980, 21.8260, -10.0940



101.0790, 78.9900, 44.2540



118.8410, 13.3890, -5.8670



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.



164.2520, 59.5630, -27.7090



195.3210, 89.5050, -41.7190



175.1960, 26.4650, -55.6390



99.0990, 4.0350, -1.5410



123.0090, 64.5610, -30.1830



28.3850, 14.6730, -7.1110



# Inverse Universe

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



90.7480, -59.5630, 27.7090



85.2660, -89.7800, 41.1960



79.8040, -26.4650, 55.6390



94.3140, -3.7600, 2.0640



42.9910, -64.5610, 30.1830



10.2020, -14.9480, 6.5880



# Previews

## White Background



This preview shows how the YIQ color 164.2520, 59.5630, -27.7090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 164.2520, 59.5630, -27.7090 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 ✓ Pass

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

# YIQ 164.2520, 59.5630, -27.7090

## Background



This preview shows how black text looks on a background with the YIQ color 164.2520, 59.5630, -27.7090.



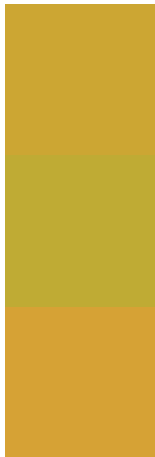
This preview shows how white text looks on a background with the YIQ color 164.2520, 59.5630,

-27.7090.

# 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

164.2520, 59.5630, -27.7090

### Protanopia

163.4140, 50.1190, -32.7690

### Deuteranopia

165.1220, 65.9810, -22.8750



## Tritanopia

173.4110, 30.1200, 15.8160

# Trichromacy



## Original Color

164.2520, 59.5630, -27.7090

## Protanomaly

163.7350, 53.6490, -30.6630

## Deuteranomaly

164.3990, 63.6430, -24.5570

## Tritanomaly

170.0740, 40.7140, 0.0260

# Monochromacy



## Original Color

164.2520, 59.5630, -27.7090

## Achromatopsia

164.0000, 0.0000, -0.0000

## Achromatomaly

164.3980, 21.8260, -10.0940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.2520, 59.5630, -27.7090 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(204, 166, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 166, 51)  
}
```

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(204, 166, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 166, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 164.2520, 59.5630, -27.7090 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(204, 166, 51) }
```



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

```
.border{ border-color:rgb(204, 166, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 166, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 166, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 166, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 166,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.2520, 59.5630, -27.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 166, 51) }
```

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

```
.background{ background-color: rgb(204,  
166, 51) }
```

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