

# Converting Colors

YIQ(66.0510, 21.1850, -14.9990)

Have a look what the booklet for  
YIQ(66.0510, 21.1850, -14.9990)  
contains.

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# Color

**YIQ(66.0510, 21.1850,  
-14.9990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D4611
RGB	77, 70, 17
RGB Percent	30%, 27%, 7%
CMY	0.6981, 0.7255, 0.9332
CMYK	0.00, 0.09, 0.78, 0.70
HSL	53°, 64%, 18%
HSV	53°, 78%, 30%
XYZ	5.3516, 5.9981, 1.4073
YIQ	66.0510, 21.1850, -14.9990

# Conversions

## Conversions Part 2

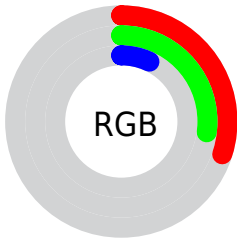
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 77, 17
Decimal	5064209
CIE Lab	29.41, -4.08, 31.35
CIE LCh	29, 31.618, 97.420
Yxy	5.9981, 0.4195, 0.4702
Android (android.graphics.Color)	4283254289 (0xFF4D4611)
YUV	66.0510, -24.1821, 9.6023
Hunter-Lab	24.4910, -3.8546, 13.7368

# Details

The YIQ color **66.0510, 21.1850, -14.9990** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **27.9490, -21.1850, 14.9990**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **114.7200, 23.6150, -14.9850**, and **24.8190, 10.4550, -7.7610** is the 20% darker color. If you saturate the color by 10%, you get **64.5520, 24.0280, -16.9640**, and if you desaturate by 10%, it is **67.5500, 18.3420, -13.0340**.

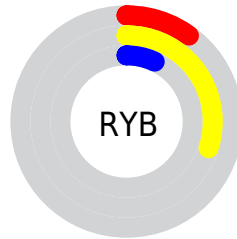
# Distribution



 Red (30%)

 Green (27%)

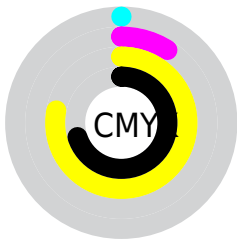
 Blue (7%)



 Red (10%)

 Yellow (30%)

 Blue (7%)

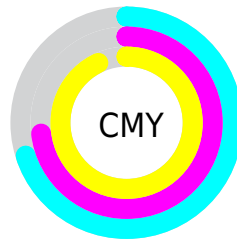


 Cyan (0%)

 Magenta (9%)

 Yellow (78%)

 Black (70%)



 Cyan (70%)

 Magenta (73%)

 Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.0510, 21.1850, -14.9990 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 66.0510, 21.1850, -14.9990 by changing the saturation by 10% instead.



66.0510, 21.1850,  
-14.9990

66.0510, 21.1850,  
-14.9990

254.3160, 1.9260,  
-1.8660

44.3220, 18.9840,  
-13.6560

114.7200, 23.6150,  
-14.9850

24.8190, 10.4550,  
-7.7610

140.7910, 24.8530,  
-15.3950

0.0000, 0.0000,  
0.0000

166.9760, 25.7700,  
-15.4940

194.1610, 26.6870,  
-15.5930

222.3460, 27.6040,  
-15.6920

247.2310, 20.4980,

-19.0700

■ 251.0100, 11.2350,  
-10.8850

■ 66.0510, 21.1850,  
-14.9990

■ 66.0510, 21.1850,  
-14.9990

■ 64.5520, 24.0280,  
-16.9640

■ 67.5500, 18.3420,  
-13.0340

■ 63.1670, 26.5500,  
-18.6180

■ 68.9350, 15.8200,  
-11.3800

■ 62.9390, 27.1920,  
-19.2400

■ 70.4340, 12.9770,  
-9.4150

■ 71.9330, 10.1340,  
-7.4500

■ 72.8450, 7.5660,  
-4.9620

■ 74.2300, 5.0440,  
-3.3080

■ 75.7290, 2.2010,  
-1.3430

■ 77.2280, -0.6420,  
0.6220

■ 78.6130, -3.1640,  
2.2760

# Harmonies

## Analogous

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



67.7310, 34.2500, -3.9740



66.0510, 21.1850, -14.9990



63.0530, 0.5080, -20.2280

# Triad

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



66.0510, 21.1850, -14.9990



58.1320, -53.4580, -11.3620



71.1790, 19.3900, 23.0540

# Complementary

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



66.0510, 21.1850, -14.9990



27.9490, -21.1850, 14.9990

# 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.



71.1530, -4.0840, 18.9560



66.0510, 21.1850, -14.9990



58.1950, -57.7690, -4.8170

# Square

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



66.0510, 21.1850, -14.9990



56.0970, -46.3500, -19.0380



64.4090, -37.4600, 7.0840



68.9710, 34.4750, 19.4910



# Rectangle

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



66.0510, 21.1850, -14.9990



59.5330, -18.5190, -22.3190



64.4090, -37.4600, 7.0840



71.6450, 12.1460, 22.1780

# Sweetspot

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



66.0510, 21.1850, -14.9990



95.3180, 7.6120, -5.7960



35.8520, 33.1920, 15.2080



48.2300, 5.0440, -3.3080



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



66.0510, 21.1850, -14.9990



82.6420, 32.2820, -23.3820



63.5820, 6.1480, -23.3240



37.5440, 1.2840, -1.2440



83.3280, 36.0420, -25.4460



187.9310, 81.2550, -57.4090



# Inverse Universe

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



27.9490, -21.1850, 14.9990



23.9450, -32.5570, 22.8590



30.4180, -6.1480, 23.3240



35.0430, -1.5590, 0.7210



18.6720, -36.0420, 25.4460

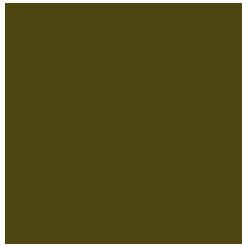


42.0690, -81.2550, 57.4090



# Previews

## White Background



This preview shows how the YIQ color 66.0510, 21.1850, -14.9990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

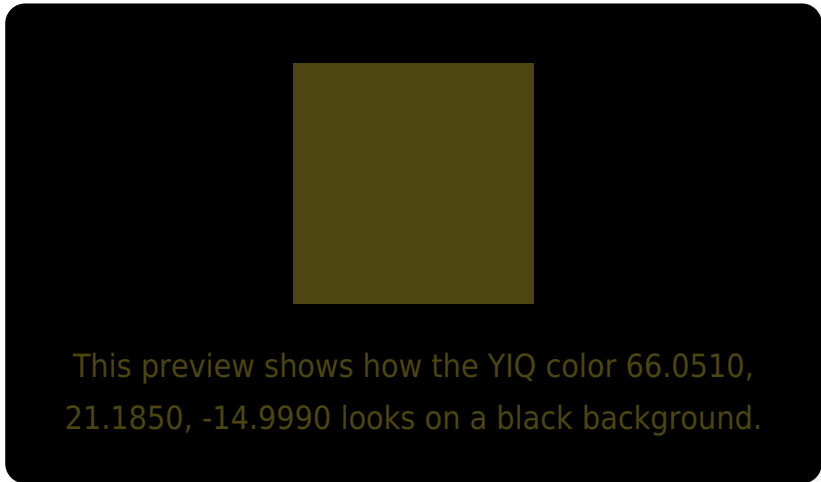
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

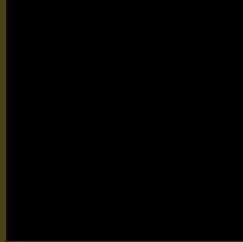
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 66.0510, 21.1850, -14.9990

## Background



This preview shows how black text looks on a background with the YIQ color 66.0510, 21.1850, -14.9990.



This preview shows how white text looks on a background with the YIQ color 66.0510, 21.1850,

-14.9990.

# 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

66.0510, 21.1850, -14.9990

### Protanopia

66.3500, 21.7810, -14.7870

### Deuteranopia

66.9210, 27.6030, -10.1650



## Tritanopia

70.3540, 7.9310, 4.9470

# Trichromacy



## Original Color

66.0510, 21.1850, -14.9990

## Protanomaly

66.3500, 21.7810, -14.7870

## Deuteranomaly

66.1980, 25.2650, -11.8470

## Tritanomaly

69.0630, 12.8840, -2.2200

# Monochromacy



## Original Color

66.0510, 21.1850, -14.9990

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.7310, 7.8870, -5.2730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.0510, 21.1850, -14.9990 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(77, 70, 17)` looks like.

```
.text, #text, p{  
    color:rgb(77, 70, 17)  
}
```

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(77, 70, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 70, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 66.0510, 21.1850, -14.9990 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(77, 70, 17) }
```



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

```
.border{ border-color:rgb(77, 70, 17) }
```

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

Here you see how a box with a 4 pixel rgb(77, 70, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 70, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 70, 17);  
box-shadow:4px 4px 4px 4px rgb(77, 70, 17)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 66.0510, 21.1850, -14.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 70, 17) }
```

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

```
.background{ background-color: rgb(77, 70,  
17) }
```

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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