

# Converting Colors

YIQ(60.5320, 98.9830, 28.8310)

Have a look what the booklet for  
YIQ(60.5320, 98.9830, 28.8310)  
contains.

<b>YIQ(60.5320, 98.9830, 28.8310)</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(60.5320, 98.9830,  
28.8310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD0F00
RGB	173, 15, 0
RGB Percent	68%, 6%, 0%
CMY	0.3212, 0.9413, 0.9996
CMYK	0.00, 0.91, 1.00, 0.32
HSL	5°, 100%, 34%
HSV	5°, 100%, 68%
XYZ	17.4247, 9.2349, 0.8671
YIQ	60.5320, 98.9830, 28.8310

# Conversions

## Conversions Part 2

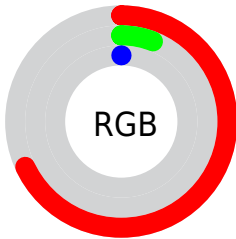
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 16, 0
Decimal	11341568
CIE Lab	36.43, 58.04, 50.41
CIE LCh	36, 76.875, 40.979
Yxy	9.2349, 0.6330, 0.3355
Android (android.graphics.Color)	4289531648 (0xFFAD0F00)
YUV	60.5320, -29.8423, 98.6344
Hunter-Lab	30.3890, 49.1693, 19.5806

# Details

The YIQ color **60.5320, 98.9830, 28.8310** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **112.4680, -98.9830, -28.8310**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **124.5830, 102.9730, 22.5970**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **60.5320, 98.9830, 28.8310**, and if you desaturate by 10%, it is **71.8620, 89.1260, 25.7500**.

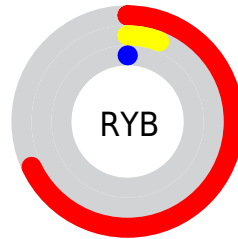
# Distribution



Red (68%)

Green (6%)

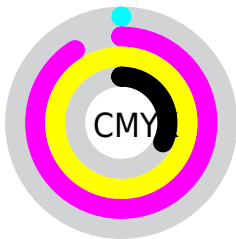
Blue (0%)



Red (68%)

Yellow (6%)

Blue (0%)

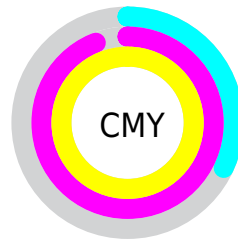


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (94%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.5320, 98.9830, 28.8310 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 60.5320, 98.9830, 28.8310 by changing the saturation by 10% instead.



■ 60.5320, 98.9830,  
28.8310

■ 60.5320, 98.9830,  
28.8310

■ 252.6060, 6.7410,  
-6.5310

■ 42.4580, 84.6320,  
30.1040

■ 124.5830,  
102.9730, 22.5970

■ 32.8900, 65.5600,  
23.3200

■ 149.2510, 97.9760,  
19.5440

■ 23.9200, 47.6800,  
16.9600

■ 168.4230, 82.5720,  
12.3640

■ 15.7760, 30.3500,  
11.6460

■ 188.4100, 66.2510,  
5.2830

■ 0.0000, 0.0000,  
0.0000

■ 207.8100, 50.2050,  
-1.2750

■ 227.9110, 33.5630,

-8.0450

■ 248.7130, 16.3250,  
-15.0270

■ 60.5320, 98.9830,  
28.8310

■ 71.8620, 89.1260,  
25.7500

■ 83.3060, 78.9480,  
22.9800

■ 94.0490, 69.3660,  
20.4220

■ 105.3790, 59.5090,  
17.3410

■ 116.8230, 49.3310,  
14.5710

■ 128.1530, 39.4740,  
11.4900

■ 139.4830, 29.6170,  
8.4090

■ 150.9270, 19.4390,  
5.6390

■ 161.6700, 9.8570,  
3.0810

# Harmonies

## Analogous

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



63.8500, 90.5410, 60.6930



60.5320, 98.9830, 28.8310



79.9930, 62.6310, -6.2090

# Triad

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



60.5320, 98.9830, 28.8310



67.5970, -42.9070, -42.8990



75.0090, -91.3350, 19.8090

# Complementary

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



60.5320, 98.9830, 28.8310



112.4680, -98.9830, -28.8310

# 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.



84.4180, -94.4050, 9.3630



60.5320, 98.9830, 28.8310



76.8820, -64.9180, -23.9420

# Square

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



60.5320, 98.9830, 28.8310



59.8740, -28.0500, -53.3460



83.0210, -83.5820, -5.0700



84.6350, -7.1160, 51.8920



# Rectangle

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



60.5320, 98.9830, 28.8310



80.4040, 38.8840, -21.8840



83.0210, -83.5820, -5.0700



79.3460, -93.9020, 16.7700

# Sweetspot

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



60.5320, 98.9830, 28.8310



180.5550, 38.2820, 11.0660



69.8530, 52.0690, 86.1250



85.7210, 23.0150, 6.9110



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



60.5320, 98.9830, 28.8310



78.1290, 128.2790, 37.5510



111.0140, 75.3330, -16.1470



81.2780, 5.0890, 1.3850



52.4810, 85.8250, 25.0010



8.0510, 13.1580, 3.8300



# Inverse Universe

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



112.4680, -98.9830, -28.8310



145.8710, -128.2790, -37.5510



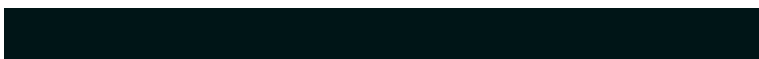
61.9860, -75.3330, 16.1470



83.7220, -5.0890, -1.3850



98.1060, -86.1000, -25.5240

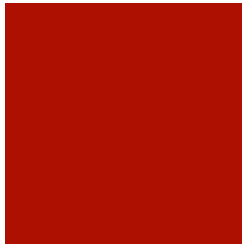


14.9490, -13.1580, -3.8300



# Previews

## White Background



This preview shows how the YIQ color 60.5320, 98.9830, 28.8310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

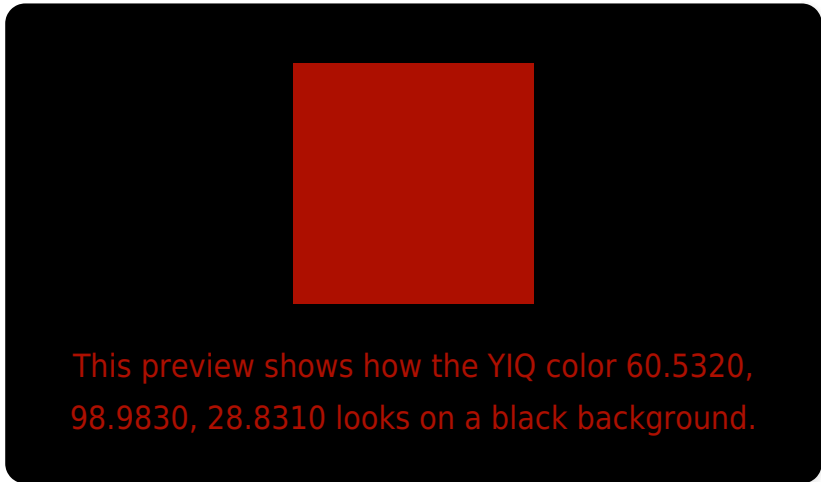
Any Text WCAG AA ✓ Pass

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 60.5320, 98.9830, 28.8310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 60.5320, 98.9830, 28.8310.



This preview shows how white text looks on a background with the YIQ color 60.5320, 98.9830,



# 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

60.5320, 98.9830, 28.8310

### Protanopia

83.7650, 27.7420, -18.1940

### Deuteranopia

82.4970, 43.0560, -20.4000



## Tritanopia

60.5320, 98.9830, 28.8310

# Trichromacy



## Original Color

60.5320, 98.9830, 28.8310

## Protanomaly

75.0770, 53.8270, -0.8370

## Deuteranomaly

74.6990, 63.6390, -2.4490

## Tritanomaly

60.5320, 98.9830, 28.8310

# Monochromacy



## Original Color

60.5320, 98.9830, 28.8310

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

60.7720, 36.1730, 10.7410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.5320, 98.9830, 28.8310 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(173, 15, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 15, 0)  
}
```

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(173, 15, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 15, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 60.5320, 98.9830, 28.8310 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(173, 15, 0) }
```



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

```
.border{ border-color:rgb(173, 15, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 15, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 15, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 15, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 15, 0)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 60.5320, 98.9830, 28.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 15, 0) }
```

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

```
.background{ background-color: rgb(173, 15,  
0) }
```

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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