

# Converting Colors

YIQ(52.5740, 99.1650, 36.5490)

Have a look what the booklet for  
YIQ(52.5740, 99.1650, 36.5490)  
contains.

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# Color

**YIQ(52.5740, 99.1650,  
36.5490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA0205
RGB	170, 2, 5
RGB Percent	67%, 1%, 2%
CMY	0.3329, 0.9923, 0.9800
CMYK	0.00, 0.99, 0.97, 0.33
HSL	359°, 98%, 34%
HSV	359°, 99%, 67%
XYZ	16.6486, 8.6105, 0.9310
YIQ	52.5740, 99.1650, 36.5490

# Conversions

## Conversions Part 2

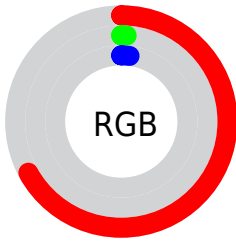
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 2, 5
Decimal	11141637
CIE Lab	35.22, 58.97, 47.41
CIE LCh	35, 75.666, 38.801
Yxy	8.6105, 0.6357, 0.3288
Android (android.graphics.Color)	4289331717 (0xFFAA0205)
YUV	52.5740, -23.4540, 102.9826
Hunter-Lab	29.3437, 49.9232, 18.6595

# Details

The YIQ color **52.5740, 99.1650, 36.5490** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **119.4260, -99.1650, -36.5490**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.7940, 101.0010, 25.2970**, and **31.9930, 63.7720, 22.6840** is the 20% darker color. If you saturate the color by 10%, you get **51.1720, 100.3570, 36.9730**, and if you desaturate by 10%, it is **64.4910, 89.0330, 32.9450**.

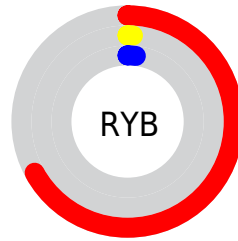
# Distribution



Red (67%)

Green (1%)

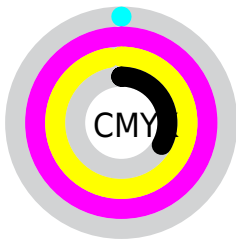
Blue (2%)



Red (67%)

Yellow (1%)

Blue (2%)

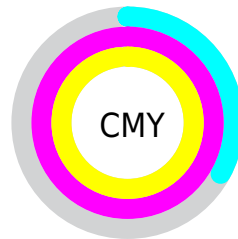


Cyan (0%)

Magenta (99%)

Yellow (97%)

Black (33%)



Cyan (33%)

Magenta (99%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 52.5740, 99.1650, 36.5490 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 52.5740, 99.1650, 36.5490 by changing the saturation by 10% instead.





 52.5740, 99.1650,  
36.5490


 52.5740, 99.1650,  
36.5490


 252.8340, 6.0990,  
-5.9090


 41.5610, 82.8440,  
29.4680


 121.7940,  
101.0010, 25.2970


 32.2920, 64.3680,  
22.8960

 147.2450, 98.1130,  
22.5690


 23.1370, 45.5710,  
16.6350

 166.4170, 82.7090,  
15.3890

 14.8790, 28.5620,  
11.0100

 185.8170, 66.6630,  
8.8310

 0.0000, 0.0000,  
0.0000

 205.8040, 50.3420,  
1.7500

 225.9050, 33.7000,

-5.0200

■ 246.7070, 16.4620,  
-12.0020

■ 52.5740, 99.1650,  
36.5490

■ 52.5740, 99.1650,  
36.5490

■ 51.1720, 100.3570,  
36.9730

■ 64.4910, 89.0330,  
32.9450

■ 76.2940, 79.2220,  
29.0300

■ 88.2110, 69.0900,  
25.4260

■ 100.1280, 58.9580,  
21.8220

■ 112.0450, 48.8260,  
18.2180

■ 123.8480, 39.0150,  
14.3030

■ 135.7650, 28.8830,  
10.6990

■ 147.6820, 18.7510,  
7.0950

■ 159.4850, 8.9400,  
3.1800

# Harmonies

## Analogous

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



62.4690, 87.2400, 59.9440



52.5740, 99.1650, 36.5490



77.3460, 63.1350, -4.3290

# Triad

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



52.5740, 99.1650, 36.5490



65.0380, -39.8350, -43.5070



73.8520, -89.4550, 18.7770

# Complementary

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



52.5740, 99.1650, 36.5490



119.4260, -99.1650, -36.5490

# 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.



81.8590, -91.3330, 8.7550



52.5740, 99.1650, 36.5490



73.6220, -61.2500, -24.3380

# Square

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



52.5740, 99.1650, 36.5490



57.5260, -26.9500, -51.2540



80.2340, -79.8680, -6.3000



82.0040, -12.7090, 48.6270



# Rectangle

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



52.5740, 99.1650, 36.5490



78.0560, 39.9840, -19.7920



80.2340, -79.8680, -6.3000



78.1890, -92.0220, 15.7380

# Sweetspot

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



52.5740, 99.1650, 36.5490



175.2610, 39.2900, 14.8260



69.5900, 42.6240, 86.5920



84.0740, 23.5190, 8.7910



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.



52.5740, 99.1650, 36.5490



66.8340, 131.0280, 48.3080



98.0180, 78.6780, -5.1780



78.3920, 4.7680, 1.6960



44.5940, 87.2450, 32.3090



5.9800, 11.9200, 4.2400



# Inverse Universe

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



52.5740, 99.1650, 36.5490



66.8340, 131.0280, 48.3080



73.9820, -78.6780, 5.1780



78.3920, 4.7680, 1.6960



44.5940, 87.2450, 32.3090



5.9800, 11.9200, 4.2400



# Previews

## White Background



This preview shows how the YIQ color 52.5740, 99.1650, 36.5490 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 52.5740, 99.1650, 36.5490

## Background



This preview shows how black text looks on a background with the YIQ color 52.5740, 99.1650, 36.5490.



This preview shows how white text looks on a background with the YIQ color 52.5740, 99.1650,



# 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

52.5740, 99.1650, 36.5490

### Protanopia

81.8080, 26.1830, -17.4730

### Tritanopia

59.9230, 96.3240, 27.4600

# Trichromacy



## Original Color

52.5740, 99.1650, 36.5490

## Protanomaly

70.8860, 53.0470, 2.2870

## Tritanomaly

57.2160, 97.0570, 30.6970

# Monochromacy



## Original Color

52.5740, 99.1650, 36.5490

## Achromatopsia

53.0000, -0.0000, -0.0000

## Achromatomaly

52.7660, 36.3100, 13.7660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 52.5740, 99.1650, 36.5490 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(170, 2, 5)` looks like.

```
.text, #text, p{  
    color:rgb(170, 2, 5)  
}
```

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(170, 2, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 2, 5) }
```

## Border

The CSS property to change the border of an element to YIQ 52.5740, 99.1650, 36.5490 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(170, 2, 5) }
```

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

```
.border{ border-color:rgb(170, 2, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 2, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 2, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(170, 2, 5); box-shadow:4px  
4px 4px 4px rgb(170, 2, 5) }
```



# Background

The CSS property to change the background color of an element to YIQ 52.5740, 99.1650, 36.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 2, 5) }
```

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

```
.background{ background-color: rgb(170, 2,  
5) }
```

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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