

# Converting Colors

YIQ(35.5140, 20.3050, 34.0090)

Have a look what the booklet for  
YIQ(35.5140, 20.3050, 34.0090)  
contains.

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# Color

**YIQ(35.5140, 20.3050,  
34.0090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C0847
RGB	76, 8, 71
RGB Percent	30%, 3%, 28%
CMY	0.7018, 0.9687, 0.7215
CMYK	0.00, 0.90, 0.07, 0.70
HSL	304°, 81%, 16%
HSV	304°, 90%, 30%
XYZ	4.2087, 2.1667, 6.1590
YIQ	35.5140, 20.3050, 34.0090

# Conversions

## Conversions Part 2

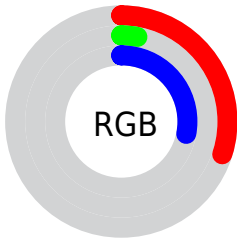
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 8, 71
Decimal	4982855
CIE Lab	16.34, 37.50, -21.02
CIE LCh	16, 42.988, 330.731
Yxy	2.1667, 0.3358, 0.1729
Android (android.graphics.Color)	4283172935 (0xFF4C0847)
YUV	35.5140, 17.4946, 35.5062
Hunter-Lab	14.7197, 25.2777, -14.5043

# Details

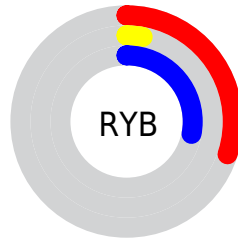
The YIQ color **35.5140, 20.3050, 34.0090** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **48.4860, -20.3050, -34.0090**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.8730, 20.6720, 32.8640**, and **11.7490, 8.6170, 14.5450** is the 20% darker color. If you saturate the color by 10%, you get **30.7040, 22.8260, 37.8820**, and if you desaturate by 10%, it is **40.3240, 17.7840, 30.1360**.

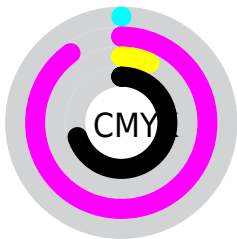
# Distribution



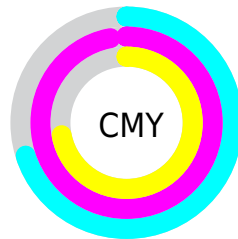
- Red (30%)
- Green (3%)
- Blue (28%)



- Red (30%)
- Yellow (3%)
- Blue (28%)



- Cyan (0%)
- Magenta (90%)
- Yellow (7%)
- Black (70%)




- Cyan (70%)
- Magenta (97%)
- Yellow (72%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 35.5140, 20.3050, 34.0090 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 35.5140, 20.3050, 34.0090 by changing the saturation by 10% instead.




 35.5140, 20.3050,  
34.0090


 35.5140, 20.3050,  
34.0090


 251.4780, 1.6500,  
3.1380


 21.0200, 15.5840,  
25.9520


 87.1720, 21.2680,  
33.0760


 11.7490, 8.6170,  
14.5450

 112.5850, 21.5430,  
33.5990

 0.0000, 0.0000,  
0.0000

 139.1830, 22.7350,  
34.0230


 166.0090, 23.2850,  
35.0690


 193.7210, 24.1560,  
35.8040


 217.4320, 17.6000,


33.4720


 234.4550, 9.6250,  
18.3050


 35.5140, 20.3050,  
34.0090


 35.5140, 20.3050,  
34.0090


 30.7040, 22.8260,  
37.8820

 40.3240, 17.7840,  
30.1360

 44.4330, 15.8590,  
26.4750

 49.2430, 13.3380,  
22.6020

 53.3520, 11.4130,  
18.9410

 58.1620, 8.8920,  
15.0680

■ 62.8580, 6.6920,  
10.8840

■ 67.0810, 4.4460,  
7.5340

■ 71.8910, 1.9250,  
3.6610

■ 76.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



39.6660, -18.7100, 19.7060



35.5140, 20.3050, 34.0090



31.8830, 41.0750, 32.0430

# Triad

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



35.5140, 20.3050, 34.0090



38.7290, 19.3960, -10.1080



39.2050, -37.3660, -5.6380

# Complementary

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



35.5140, 20.3050, 34.0090



48.4860, -20.3050, -34.0090

# 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.



35.6710, -27.4150, -15.2790



35.5140, 20.3050, 34.0090



33.2700, -1.6010, -20.5530

# Square

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



35.5140, 20.3050, 34.0090



37.3880, 36.9540, 2.0900



30.3930, -15.3090, -25.4290



40.6530, -44.1990, 2.5610



# Rectangle

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



35.5140, 20.3050, 34.0090



29.6030, 47.4950, 25.8230



30.3930, -15.3090, -25.4290



38.1790, -34.4770, -8.4370

# Sweetspot

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



35.5140, 20.3050, 34.0090



83.5100, 7.7920, 12.9760



17.2470, -18.8480, 22.2080



41.4940, 4.7210, 8.0570



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.



35.5140, 20.3050, 34.0090



40.0890, 29.4720, 49.6000



31.6380, 31.2190, 23.4350



35.6520, 1.1000, 2.0920



41.2140, 30.6180, 50.8580



92.9380, 69.0280, 114.6920



# Inverse Universe

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



35.5140, 20.3050, 34.0090



40.0890, 29.4720, 49.6000



52.3620, -31.2190, -23.4350



35.6520, 1.1000, 2.0920



41.2140, 30.6180, 50.8580

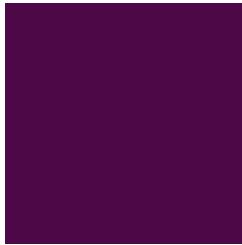


92.9380, 69.0280, 114.6920



# Previews

## White Background



This preview shows how the YIQ color 35.5140, 20.3050, 34.0090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

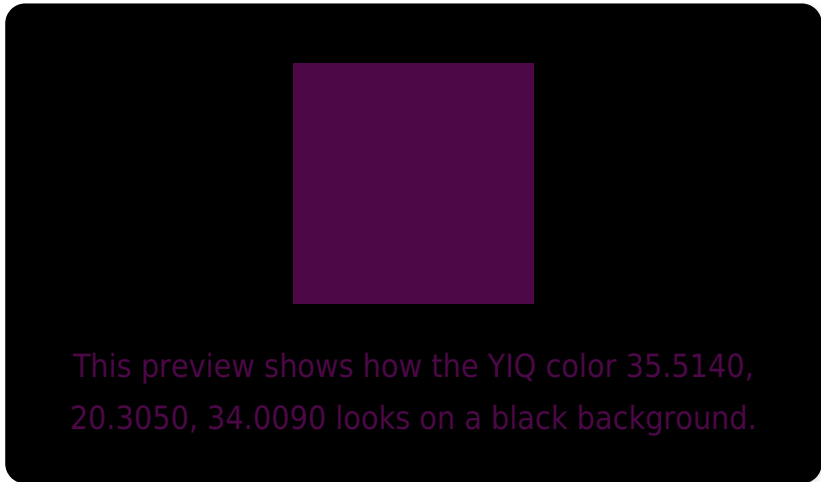
Any Text WCAG AA ✓ Pass

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

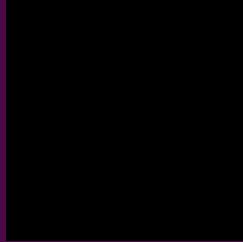
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 35.5140, 20.3050, 34.0090

## Background



This preview shows how black text looks on a background with the YIQ color 35.5140, 20.3050, 34.0090.



This preview shows how white text looks on a background with the YIQ color 35.5140, 20.3050,



# 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

35.5140, 20.3050, 34.0090

### Protanopia

34.6860, -39.7980, 5.4020

### Deuteranopia

42.1480, -14.8560, 4.9200



## Tritanopia

41.9710, 25.3070, 9.4270

# Trichromacy



## Original Color

35.5140, 20.3050, 34.0090

## Protanomaly

35.3300, -17.8840, 15.7480

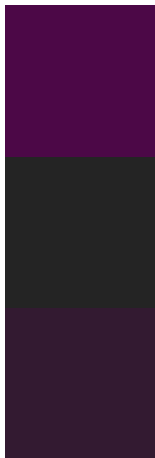
## Deuteranomaly

39.4150, -2.0660, 15.4220

## Tritanomaly

39.2840, 23.2880, 18.4880

# Monochromacy



## Original Color

35.5140, 20.3050, 34.0090

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

36.0970, 7.5170, 12.4530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 35.5140, 20.3050, 34.0090 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(76, 8, 71)` looks like.

```
.text, #text, p{  
    color:rgb(76, 8, 71)  
}
```

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(76, 8, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 8, 71) }
```

## Border

The CSS property to change the border of an element to YIQ 35.5140, 20.3050, 34.0090 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(76, 8, 71) }
```



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

```
.border{ border-color:rgb(76, 8, 71) }
```

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

Here you see how a box with a 4 pixel rgb(76, 8, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 8, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 8, 71); box-shadow:4px  
4px 4px 4px rgb(76, 8, 71) }
```

# Background

The CSS property to change the background color of an element to YIQ 35.5140, 20.3050, 34.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 8, 71) }
```

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

```
.background{ background-color: rgb(76, 8,  
71) }
```

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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