

# Converting Colors

YIQ(34.5260, 1.6950, 7.8310)

Have a look what the booklet for  
YIQ(34.5260, 1.6950, 7.8310)  
contains.

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# Color

**YIQ(34.5260, 1.6950, 7.8310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	291D2E
RGB	41, 29, 46
RGB Percent	16%, 11%, 18%
CMY	0.8392, 0.8863, 0.8196
CMYK	0.11, 0.37, 0.00, 0.82
HSL	282°, 23%, 15%
HSV	282°, 37%, 18%
XYZ	1.8472, 1.5474, 2.7859
YIQ	34.5260, 1.6950, 7.8310

# Conversions

## Conversions Part 2

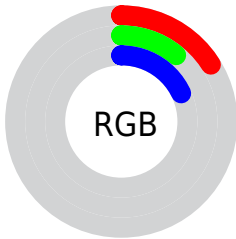
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 29, 46
Decimal	2694446
CIE Lab	12.91, 9.84, -9.10
CIE LCh	13, 13.396, 317.235
Yxy	1.5474, 0.2989, 0.2504
Android (android.graphics.Color)	4280884526 (0xFF291D2E)
YUV	34.5260, 5.6567, 5.6777
Hunter-Lab	12.4393, 4.7382, -4.5712

# Details

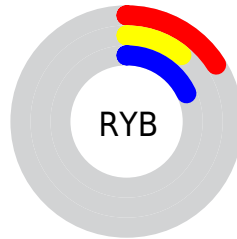
The YIQ color **34.5260, 1.6950, 7.8310** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **40.4740, -1.6950, -7.8310**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **79.0530, 1.6490, 8.6650**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.2920, 2.4740, 10.2340**, and if you desaturate by 10%, it is **37.7600, 0.9160, 5.4280**.

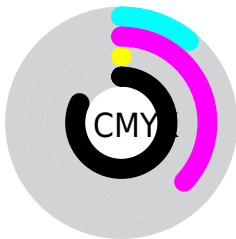
# Distribution



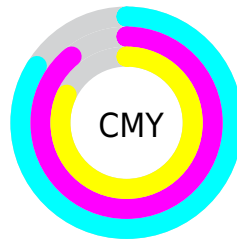
- Red (16%)
- Green (11%)
- Blue (18%)



- Red (16%)
- Yellow (11%)
- Blue (18%)



- Cyan (11%)
- Magenta (37%)
- Yellow (0%)
- Black (82%)



- Cyan (84%)
- Magenta (89%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.5260, 1.6950, 7.8310 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 34.5260, 1.6950, 7.8310 by changing the saturation by 10% instead.



■ 34.5260, 1.6950,  
7.8310

■ 34.5260, 1.6950,  
7.8310

■ 255.0000, -0.0000,  
-0.0000

■ 11.8900, 3.6660,  
10.6580

■ 79.0530, 1.6490,  
8.6650

■ 0.0000, 0.0000,  
0.0000

■ 102.7650, 2.5200,  
9.4000

■ 127.8790, 2.1990,  
9.7110


■ 154.1780, 2.7950,  
9.9230


■ 181.2920, 2.4740,  
10.2340


■ 208.7050, 2.7490,


10.7570


 236.7050, 2.7490,  
10.7570


 34.5260, 1.6950,  
7.8310


 34.5260, 1.6950,  
7.8310

 31.2920, 2.4740,  
10.2340


 37.7600, 0.9160,  
5.4280


 28.3460, 2.3820,  
11.9020


 40.7060, 1.0080,  
3.7600


 25.1120, 3.1610,  
14.3050

 43.9400, 0.2290,  
1.3570

 22.4650, 3.6650,  
16.1850

 46.5870, -0.2750,  
-0.5230

 18.9320, 3.8480,  
18.3760

 50.1200, -0.4580,  
-2.7140

■ 15.6980, 4.6270,  
20.7790

■ 53.3540, -1.2370,  
-5.1170

■ 15.1110, 4.9020,  
21.3020

■ 56.0010, -1.7410,  
-6.9970

■ 59.5340, -1.9240,  
-9.1880

■ 62.1810, -2.4280,  
-11.0680

# Harmonies

## Analogous

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



32.9700, -8.4830, 5.0610



34.5260, 1.6950, 7.8310



34.2450, 9.8560, 8.6080

# Triad

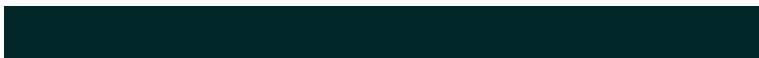
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.5260, 1.6950, 7.8310



32.6500, 12.6090, -2.7430



26.7520, -22.9690, -7.7450

# Complementary

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



34.5260, 1.6950, 7.8310



40.4740, -1.6950, -7.8310

# 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.



28.9010, -13.2030, -8.5230



34.5260, 1.6950, 7.8310



31.7200, 6.4200, -6.2200

# Square

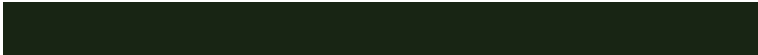
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



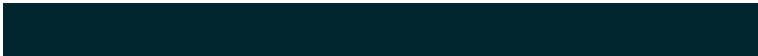
34.5260, 1.6950, 7.8310



33.3670, 15.0840, 1.9640



31.1750, -2.2910, -8.0430



27.0770, -25.2620, -4.7340



# Rectangle

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



34.5260, 1.6950, 7.8310



34.0450, 13.2950, 6.8550



31.1750, -2.2910, -8.0430



27.1930, -19.8970, -8.3530

# Sweetspot

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



34.5260, 1.6950, 7.8310



54.2930, 0.7330, 3.2370



33.8730, -6.8320, 2.6720



28.0540, -0.0920, 1.6680



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000



# Same Dimension

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



34.5260, 1.6950, 7.8310



41.3460, 2.3820, 11.9020



35.6790, 5.6380, 7.9580



21.5270, -0.0460, 0.8340



28.1570, 8.4290, 39.9890



69.5450, 21.3020, 98.5660



# Inverse Universe

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



34.6530, 8.5270, 5.1590



41.5720, 13.2490, 7.6890



39.3210, -5.6380, -7.9580



21.5980, 1.1920, 0.4240



28.8630, 43.8270, 26.2190

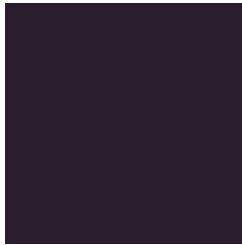


71.1680, 107.3210, 64.9610



# Previews

## White Background



This preview shows how the YIQ color 34.5260, 1.6950, 7.8310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

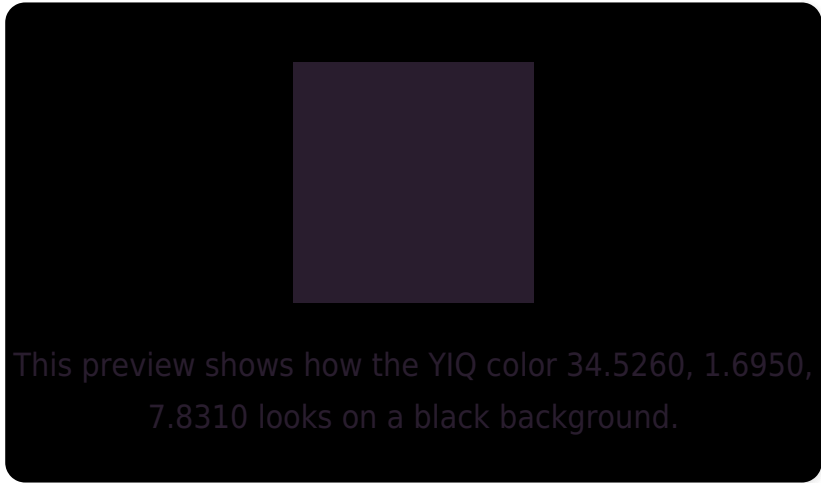
Any Text WCAG AA ✓ Pass

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 34.5260, 1.6950, 7.8310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 34.5260, 1.6950, 7.8310.



This preview shows how white text looks on a background with the YIQ color 34.5260, 1.6950, 7.8310.

# 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

34.5260, 1.6950, 7.8310

### Protanopia

33.3290, -8.1160, 3.9160

### Deuteranopia

33.4710, -5.6400, 3.0960



## Tritanopia

33.7340, 3.8050, 2.6290

# Trichromacy



## Original Color

34.5260, 1.6950, 7.8310

## Protanomaly

34.1230, -4.5400, 5.1880

## Deuteranomaly

34.0800, -2.9810, 4.4670

## Tritanomaly

33.9020, 3.3920, 4.6080

# Monochromacy



## Original Color

34.5260, 1.6950, 7.8310

## Achromatopsia

35.0000, 0.0000, 0.0000

## Achromatomaly

34.8800, 0.4580, 2.7140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.5260, 1.6950, 7.8310 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(41, 29, 46)` looks like.

```
.text, #text, p{  
    color:rgb(41, 29, 46)  
}
```

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(41, 29, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 29, 46) }
```

## Border

The CSS property to change the border of an element to YIQ 34.5260, 1.6950, 7.8310 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(41, 29, 46) }
```

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

```
.border{ border-color:rgb(41, 29, 46) }
```

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

Here you see how a box with a 4 pixel rgb(41, 29, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 29, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 29, 46);  
box-shadow:4px 4px 4px 4px rgb(41, 29, 46)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 34.5260, 1.6950, 7.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 29, 46) }
```

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

```
.background{ background-color: rgb(41, 29,  
46) }
```

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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