

# Converting Colors

YIQ(35.9440, 65.4680, 24.9880)

Have a look what the booklet for  
YIQ(35.9440, 65.4680, 24.9880)  
contains.

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# Color

**YIQ(35.9440, 65.4680,  
24.9880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	720206
RGB	114, 2, 6
RGB Percent	45%, 1%, 2%
CMY	0.5527, 0.9923, 0.9762
CMYK	0.00, 0.98, 0.95, 0.55
HSL	358°, 97%, 23%
HSV	358°, 98%, 45%
XYZ	7.0028, 3.6377, 0.5072
YIQ	35.9440, 65.4680, 24.9880

# Conversions

## Conversions Part 2

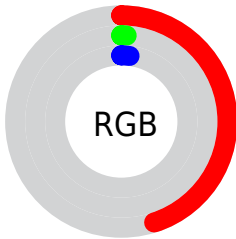
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 2, 6
Decimal	7471622
CIELab	22.44, 43.94, 31.43
CIELCh	22, 54.022, 35.573
Yxy	3.6377, 0.6282, 0.3263
Android (android.graphics.Color)	4285661702 (0xFF720206)
YUV	35.9440, -14.7624, 68.4551
Hunter-Lab	19.0727, 32.1611, 11.7741

# Details

The YIQ color **35.9440, 65.4680, 24.9880** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **80.0560, -65.4680, -24.9880**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **95.1090, 69.1370, 19.0650**, and **17.4560, 34.2470, 12.6070** is the 20% darker color. If you saturate the color by 10%, you get **34.5420, 66.6600, 25.4120**, and if you desaturate by 10%, it is **43.6550, 58.9120, 22.6560**.

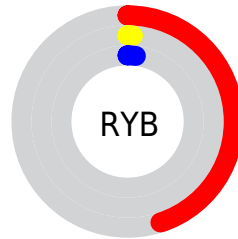
# Distribution



Red (45%)

Green (1%)

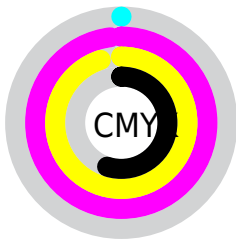
Blue (2%)



Red (45%)

Yellow (1%)

Blue (2%)

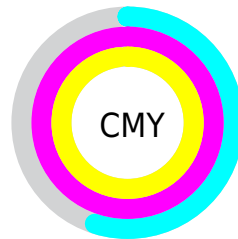


Cyan (0%)

Magenta (98%)

Yellow (95%)

Black (55%)



Cyan (55%)

Magenta (99%)

Yellow (98%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 35.9440, 65.4680, 24.9880 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 35.9440, 65.4680, 24.9880 by changing the saturation by 10% instead.





 35.9440, 65.4680,  
24.9880


 35.9440, 65.4680,  
24.9880


 252.2640, 7.7040,  
-7.4640


 25.4150, 50.6600,  
18.0200

 95.1090, 69.1370,  
19.0650


 17.4560, 34.2470,  
12.6070


 121.9630, 72.4840,  
18.9800

 7.2900, 13.9830,  
5.3990

 149.2300, 76.1060,  
19.4180


 0.0000, 0.0000,  
0.0000


 174.2080, 73.1720,  
17.5240


 193.6080, 57.1260,  
10.9660


 213.0080, 41.0800,


4.4080


 232.6360, 24.3920,  
-1.5280


 35.9440, 65.4680,  
24.9880


 35.9440, 65.4680,  
24.9880


 34.5420, 66.6600,  
25.4120

 43.6550, 58.9120,  
22.6560

 51.9530, 52.0810,  
19.8010

 59.6640, 45.5250,  
17.4690

 67.9620, 38.6940,  
14.6140

 75.6730, 32.1380,  
12.2820

■ 83.3840, 25.5820,  
9.9500

■ 91.6820, 18.7510,  
7.0950

■ 99.3930, 12.1950,  
4.7630

■ 107.6910, 5.3640,  
1.9080

# Harmonies

## Analogous

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



41.3520, 56.1120, 40.3680



35.9440, 65.4680, 24.9880



49.8140, 44.3820, -0.3700

# Triad

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



35.9440, 65.4680, 24.9880



41.8540, -24.1570, -30.2770



48.8490, -59.0100, 12.1740

# Complementary

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



35.9440, 65.4680, 24.9880



80.0560, -65.4680, -24.9880

# 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.



53.3340, -59.2380, 5.2900



35.9440, 65.4680, 24.9880



47.3430, -38.2350, -17.4270

# Square

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



35.9440, 65.4680, 24.9880



40.5690, -10.1730, -30.4050



51.9030, -51.0750, -4.9870



53.3280, -14.4020, 29.7420



# Rectangle

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



35.9440, 65.4680, 24.9880



50.8780, 29.1620, -10.8860



51.9030, -51.0750, -4.9870



51.1970, -60.1100, 10.0820

# Sweetspot

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



35.9440, 65.4680, 24.9880



118.0850, 24.9860, 9.7380



46.4620, 27.2240, 57.3040



55.8880, 15.1750, 5.8230



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



35.9440, 65.4680, 24.9880



44.8220, 86.6030, 32.9310



64.8380, 53.0020, -2.4060



51.9080, 3.2550, 1.5830



36.3360, 70.2360, 26.6840



74.8790, 144.3230, 55.1630



# Inverse Universe

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



35.9440, 65.4680, 24.9880



44.8220, 86.6030, 32.9310



51.1620, -53.0020, 2.4060



51.9080, 3.2550, 1.5830



36.3360, 70.2360, 26.6840

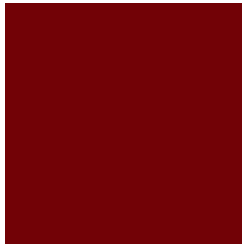


74.8790, 144.3230, 55.1630



# Previews

## White Background



This preview shows how the YIQ color 35.9440, 65.4680, 24.9880 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 35.9440, 65.4680, 24.9880**

## **Background**



This preview shows how black text looks on a background with the YIQ color 35.9440, 65.4680, 24.9880.



This preview shows how white text looks on a background with the YIQ color 35.9440, 65.4680,



# 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

35.9440, 65.4680, 24.9880

### Protanopia

55.4190, 17.3330, -11.2670

### Deuteranopia

54.1120, 28.3830, -13.2890



## Tritanopia

40.2440, 64.3230, 18.2030

# Trichromacy



## Original Color

35.9440, 65.4680, 24.9880

## Protanomaly

48.6050, 34.8450, 1.7650

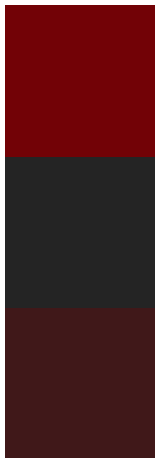
## Deuteranomaly

47.6720, 41.9060, 0.4500

## Tritanomaly

38.7110, 64.5060, 20.3940

# Monochromacy



## Original Color

35.9440, 65.4680, 24.9880

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

36.0740, 23.5190, 8.7910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 35.9440, 65.4680, 24.9880 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(114, 2, 6)` looks like.

```
.text, #text, p{  
    color:rgb(114, 2, 6)  
}
```

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(114, 2, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 2, 6) }
```

## Border

The CSS property to change the border of an element to YIQ 35.9440, 65.4680, 24.9880 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(114, 2, 6) }
```



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

```
.border{ border-color:rgb(114, 2, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 2, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 2, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(114, 2, 6); box-shadow:4px  
4px 4px 4px rgb(114, 2, 6) }
```

# Background

The CSS property to change the background color of an element to YIQ 35.9440, 65.4680, 24.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 2, 6) }
```

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

```
.background{ background-color: rgb(114, 2,  
6) }
```

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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