

# Converting Colors

YIQ(42.0190, 34.5200, 24.1840)

Have a look what the booklet for  
YIQ(42.0190, 34.5200, 24.1840)  
contains.

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# Color

**YIQ(42.0190, 34.5200,  
24.1840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A112D
RGB	90, 17, 45
RGB Percent	35%, 7%, 18%
CMY	0.6469, 0.9334, 0.8234
CMYK	0.00, 0.81, 0.50, 0.65
HSL	337°, 68%, 21%
HSV	337°, 81%, 35%
XYZ	4.8954, 2.7657, 2.7614
YIQ	42.0190, 34.5200, 24.1840

# Conversions

## Conversions Part 2

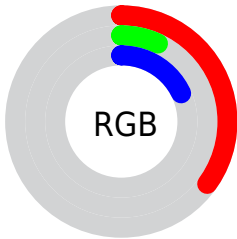
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 17, 45
Decimal	5902637
CIELab	19.08, 34.82, 1.72
CIElCh	19, 34.866, 2.831
Yxy	2.7657, 0.4697, 0.2654
Android (android.graphics.Color)	4284092717 (0xFF5A112D)
YUV	42.0190, 1.4696, 42.0793
Hunter-Lab	16.6305, 23.4401, 1.7965

# Details

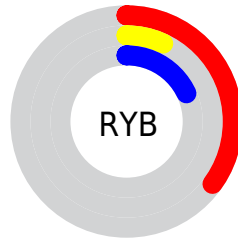
The YIQ color **42.0190, 34.5200, 24.1840** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **64.9810, -34.5200, -24.1840**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **92.6450, 38.5090, 23.4770**, and **12.9710, 25.3070, 9.4270** is the 20% darker color. If you saturate the color by 10%, you get **36.0520, 38.9210, 27.0250**, and if you desaturate by 10%, it is **47.9860, 30.1190, 21.3430**.

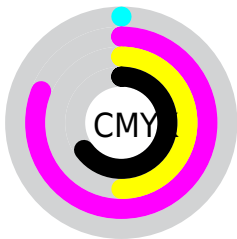
# Distribution



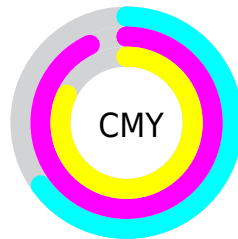
- Red (35%)
- Green (7%)
- Blue (18%)



- Red (35%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (81%)
- Yellow (50%)
- Black (65%)



- Cyan (65%)
- Magenta (93%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.0190, 34.5200, 24.1840 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 42.0190, 34.5200, 24.1840 by changing the saturation by 10% instead.



42.0190, 34.5200,  
24.1840

42.0190, 34.5200,  
24.1840

255.0000, -0.0000,  
-0.0000

21.9860, 30.1190,  
21.3430

92.6450, 38.5090,  
23.4770

12.9710, 25.3070,  
9.4270

118.2430, 39.7010,  
23.9010

0.0000, 0.0000,  
0.0000

145.0260, 41.8100,  
24.2260


172.0370, 43.2770,  
25.1730


198.7380, 42.6810,  
24.9610


218.3660, 25.9930,


19.0250

 238.5810, 9.0300,  
12.5660


 42.0190, 34.5200,  
24.1840


 42.0190, 34.5200,  
24.1840


 36.0520, 38.9210,  
27.0250


 47.9860, 30.1190,  
21.3430

 30.9000, 42.4050,  
29.9650

 53.8390, 26.0390,  
18.1910

 59.8060, 21.6380,  
15.3500

 65.6590, 17.5580,  
12.1980

 71.6260, 13.1570,  
9.3570

■ 77.4790, 9.0770,  
6.2050

■ 83.4460, 4.6760,  
3.3640

■ 89.2990, 0.5960,  
0.2120

■ 95.2660, -3.8050,  
-2.6290

# Harmonies

## Analogous

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



45.9770, 17.1430, 25.2310



42.0190, 34.5200, 24.1840



42.6800, 39.4280, 12.3240

# Triad

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



42.0190, 34.5200, 24.1840



39.4940, 3.5800, -20.8360



42.6590, -44.3360, -0.4640

# Complementary

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



42.0190, 34.5200, 24.1840



64.9810, -34.5200, -24.1840

# 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.



41.7810, -39.1080, -7.1080



42.0190, 34.5200, 24.1840



35.3800, -22.4620, -22.4460

# Square

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



42.0190, 34.5200, 24.1840



43.7460, 20.7260, -12.1860



39.5180, -31.3580, -15.4060



39.8210, -44.6120, 4.5400



# Rectangle

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



42.0190, 34.5200, 24.1840



43.1170, 39.1550, 0.7470



39.5180, -31.3580, -15.4060



42.7900, -43.3270, -2.2310

# Sweetspot

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



42.0190, 34.5200, 24.1840



98.6260, 13.1570, 9.3570



38.4780, 2.7910, 32.0310



47.7670, 8.2060, 5.4700



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



42.0190, 34.5200, 24.1840



42.6890, 53.5450, 37.3290



42.9360, 41.5830, 11.8150



42.7230, 2.3380, 1.6820



37.6780, 52.0780, 36.3820



81.2370, 112.0410, 78.5450



# Inverse Universe

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



42.0190, 34.5200, 24.1840



42.6890, 53.5450, 37.3290



64.0640, -41.5830, -11.8150



42.7230, 2.3380, 1.6820



37.6780, 52.0780, 36.3820

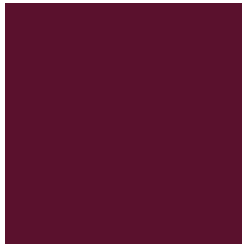


81.2370, 112.0410, 78.5450



# Previews

## White Background



This preview shows how the YIQ color 42.0190, 34.5200, 24.1840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

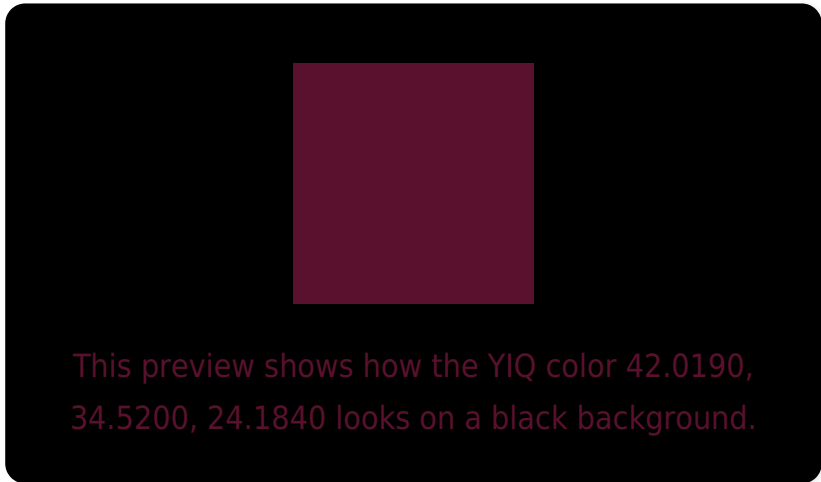
Any Text WCAG AA ✓ Pass

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

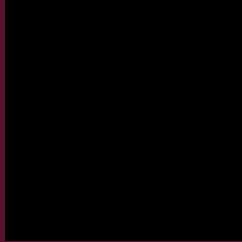
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 42.0190, 34.5200, 24.1840

## Background



This preview shows how black text looks on a background with the YIQ color 42.0190, 34.5200, 24.1840.



This preview shows how white text looks on a background with the YIQ color 42.0190, 34.5200,



# 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

42.0190, 34.5200, 24.1840

### Protanopia

48.6990, -6.2820, 3.7180

### Deuteranopia

49.1210, 6.9690, 0.3530



## Tritanopia

42.8480, 39.0150, 14.3030

# Trichromacy



## Original Color

42.0190, 34.5200, 24.1840

## Protanomaly

46.3420, 8.2050, 10.9970

## Deuteranomaly

46.3660, 16.8250, 8.9610

## Tritanomaly

42.5860, 36.9970, 17.8370

# Monochromacy



## Original Color

42.0190, 34.5200, 24.1840

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

41.9140, 12.2860, 8.6220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.0190, 34.5200, 24.1840 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(90, 17, 45)` looks like.

```
.text, #text, p{  
    color:rgb(90, 17, 45)  
}
```

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(90, 17, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 17, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 42.0190, 34.5200, 24.1840 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(90, 17, 45) }
```



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

```
.border{ border-color:rgb(90, 17, 45) }
```

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

Here you see how a box with a 4 pixel rgb(90, 17, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 17, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 17, 45);  
box-shadow:4px 4px 4px 4px rgb(90, 17, 45)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 42.0190, 34.5200, 24.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 17, 45) }
```

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

```
.background{ background-color: rgb(90, 17,  
45) }
```

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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