

# Converting Colors

YIQ(36.2040, 18.2420, 32.8500)

Have a look what the booklet for  
YIQ(36.2040, 18.2420, 32.8500)  
contains.

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# Color

**YIQ(36.2040, 18.2420,  
32.8500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A0A48
RGB	74, 10, 72
RGB Percent	29%, 4%, 28%
CMY	0.7096, 0.9609, 0.7176
CMYK	0.00, 0.87, 0.03, 0.71
HSL	302°, 76%, 16%
HSV	302°, 87%, 29%
XYZ	4.1059, 2.1422, 6.3290
YIQ	36.2040, 18.2420, 32.8500

# Conversions

## Conversions Part 2

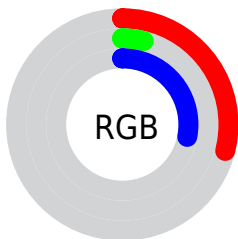
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 10, 72
Decimal	4852296
CIE <sub>Lab</sub>	16.22, 36.57, -21.93
CIE <sub>LCh</sub>	16, 42.644, 329.056
Yxy	2.1422, 0.3265, 0.1703
Android (android.graphics.Color)	4283042376 (0xFF4A0A48)
YUV	36.2040, 17.6474, 33.1471
Hunter-Lab	14.6364, 24.4608, -15.3926

# Details

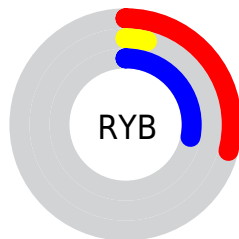
The YIQ color **36.2040, 18.2420, 32.8500** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **47.7960, -18.2420, -32.8500**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **86.9760, 18.8840, 32.2280**, and **10.9660, 6.5080, 14.2200** is the 20% darker color. If you saturate the color by 10%, you get **32.0950, 20.1670, 36.5110**, and if you desaturate by 10%, it is **40.3130, 16.3170, 29.1890**.

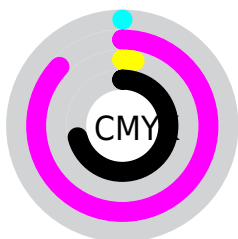
# Distribution



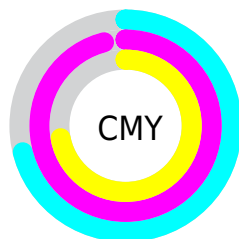
- Red (29%)
- Green (4%)
- Blue (28%)



- Red (29%)
- Yellow (4%)
- Blue (28%)



- Cyan (0%)
- Magenta (87%)
- Yellow (3%)
- Black (71%)




- Cyan (71%)
- Magenta (96%)
- Yellow (72%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 36.2040, 18.2420, 32.8500 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 36.2040, 18.2420, 32.8500 by changing the saturation by 10% instead.





 36.2040, 18.2420,  
32.8500


 36.2040, 18.2420,  
32.8500

 251.4780, 1.6500,  
3.1380


 20.5360, 14.0710,  
25.8390


 86.9760, 18.8840,  
32.2280


 10.9660, 6.5080,  
14.2200

 112.6880, 19.7550,  
32.9630

 0.0000, 0.0000,  
0.0000

 138.4000, 20.6260,  
33.6980


 166.1120, 21.4970,  
34.4330


 192.9380, 22.0470,  
35.4790


 218.0190, 17.3250,


32.9490


 234.4550, 9.6250,  
18.3050


 36.2040, 18.2420,  
32.8500


 36.2040, 18.2420,  
32.8500


 32.0950, 20.1670,  
36.5110


 40.3130, 16.3170,  
29.1890

 30.3340, 20.9920,  
38.0800

 45.0090, 14.1170,  
25.0050

 49.2320, 11.8710,  
21.6550

 53.9280, 9.6710,  
17.4710

 58.0370, 7.7460,  
13.8100

■ 62.1460, 5.8210,  
10.1490

■ 66.9560, 3.3000,  
6.2760

■ 71.0650, 1.3750,  
2.6150

■ 75.7610, -0.8250,  
-1.5690

# Harmonies

## Analogous

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



38.4700, -21.0940, 18.8580



36.2040, 18.2420, 32.8500



31.8120, 39.8370, 32.4530

# Triad

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



36.2040, 18.2420, 32.8500



38.4410, 20.2670, -9.3730



38.9770, -36.7240, -6.2600

# Complementary

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



36.2040, 18.2420, 32.8500



47.7960, -18.2420, -32.8500

# 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.



34.8560, -26.4980, -15.3780



36.2040, 18.2420, 32.8500



33.8680, -0.4090, -20.1290

# Square

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



36.2040, 18.2420, 32.8500



37.1000, 37.8250, 2.8250



29.5780, -14.3920, -25.5280



40.5390, -43.8780, 2.2500



# Rectangle

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



36.2040, 18.2420, 32.8500



29.8310, 46.8530, 26.4450



29.5780, -14.3920, -25.5280



37.8370, -33.5140, -9.3700

# Sweetspot

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



36.2040, 18.2420, 32.8500



82.2110, 7.1960, 12.7640



17.5950, -19.9480, 20.1160



39.1950, 4.1250, 7.8450



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



36.2040, 18.2420, 32.8500



39.7190, 27.6380, 49.7980



32.6700, 28.1930, 23.2090



35.6520, 1.1000, 2.0920



41.7840, 29.0130, 52.4130



94.0780, 65.8180, 117.8020



# Inverse Universe

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



36.2040, 18.2420, 32.8500



39.7190, 27.6380, 49.7980



51.3300, -28.1930, -23.2090



35.6520, 1.1000, 2.0920



41.7840, 29.0130, 52.4130



94.0780, 65.8180, 117.8020



# Previews

## White Background



This preview shows how the YIQ color 36.2040, 18.2420, 32.8500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

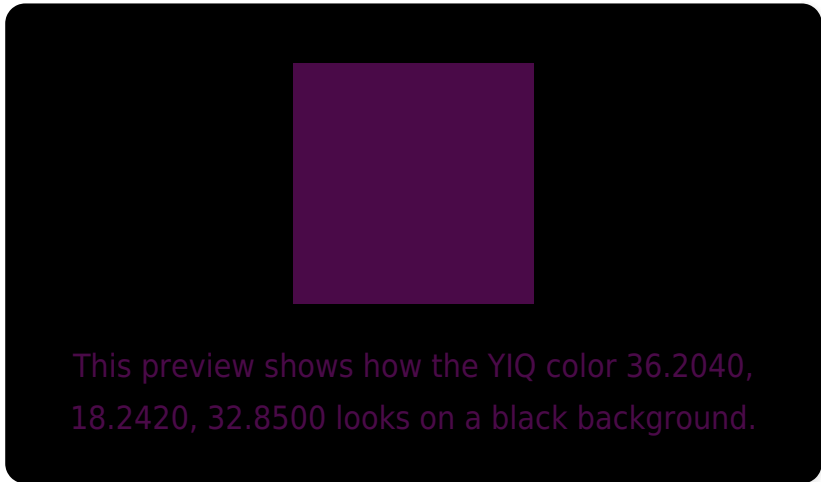
Any Text WCAG AA ✓ Pass

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

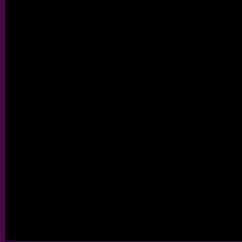
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 36.2040, 18.2420, 32.8500

## Background



This preview shows how black text looks on a background with the YIQ color 36.2040, 18.2420, 32.8500.



This preview shows how white text looks on a background with the YIQ color 36.2040, 18.2420,



# 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

36.2040, 18.2420, 32.8500

### Protanopia

33.9850, -39.2020, 5.6140

### Deuteranopia

41.6640, -16.3690, 4.8070



## Tritanopia

41.4870, 23.7940, 9.3140

# Trichromacy



## Original Color

36.2040, 18.2420, 32.8500

## Protanomaly

35.0310, -18.4800, 15.5360

## Deuteranomaly

39.5180, -3.8540, 14.7860

## Tritanomaly

39.3870, 21.5000, 17.8520

# Monochromacy



## Original Color

36.2040, 18.2420, 32.8500

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

36.3850, 6.6460, 11.7180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.2040, 18.2420, 32.8500 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(74, 10, 72)` looks like.

```
.text, #text, p{  
    color:rgb(74, 10, 72)  
}
```

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(74, 10, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 10, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 36.2040, 18.2420, 32.8500 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(74, 10, 72) }
```



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

```
.border{ border-color:rgb(74, 10, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 10, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 10, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 10, 72);  
box-shadow:4px 4px 4px 4px rgb(74, 10, 72)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 36.2040, 18.2420, 32.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 10, 72) }
```

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

```
.background{ background-color: rgb(74, 10,  
72) }
```

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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