

# Converting Colors

YIQ(47.3510, 22.3220, 36.0020)

Have a look what the booklet for  
YIQ(47.3510, 22.3220, 36.0020)  
contains.

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# Color

**YIQ(47.3510, 22.3220,  
36.0020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B1254
RGB	91, 18, 84
RGB Percent	36%, 7%, 33%
CMY	0.6429, 0.9295, 0.6705
CMYK	0.00, 0.80, 0.08, 0.64
HSL	306°, 67%, 21%
HSV	306°, 80%, 36%
XYZ	6.1362, 3.2988, 8.7028
YIQ	47.3510, 22.3220, 36.0020

# Conversions

## Conversions Part 2

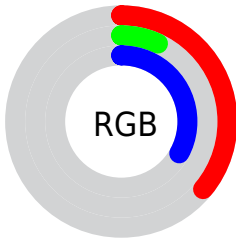
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 18, 84
Decimal	5968468
CIE <sub>Lab</sub>	21.20, 40.22, -22.01
CIE <sub>LCh</sub>	21, 45.851, 331.315
Yxy	3.2988, 0.3383, 0.1819
Android (android.graphics.Color)	4284158548 (0xFF5B1254)
YUV	47.3510, 18.0680, 38.2802
Hunter-Lab	18.1626, 28.5214, -15.6956

# Details

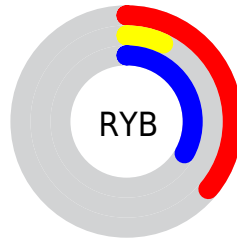
The YIQ color **47.3510, 22.3220, 36.0020** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **61.6490, -22.3220, -36.0020**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **99.4220, 23.5600, 35.5920**, and **17.6020, 13.7050, 21.4570** is the 20% darker color. If you saturate the color by 10%, you get **41.9540, 25.1180, 40.3980**, and if you desaturate by 10%, it is **52.7480, 19.5260, 31.6060**.

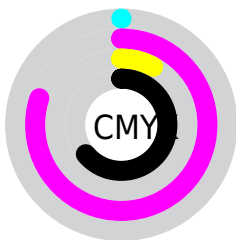
# Distribution



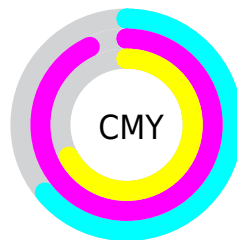
- Red (36%)
- Green (7%)
- Blue (33%)



- Red (36%)
- Yellow (7%)
- Blue (33%)



- Cyan (0%)
- Magenta (80%)
- Yellow (8%)
- Black (64%)



- Cyan (64%)
- Magenta (93%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.3510, 22.3220, 36.0020 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 47.3510, 22.3220, 36.0020 by changing the saturation by 10% instead.



47.3510, 22.3220,  
36.0020

47.3510, 22.3220,  
36.0020

255.0000, -0.0000,  
-0.0000

26.6880, 19.7550,  
32.9630

99.4220, 23.5600,  
35.5920

17.6020, 13.7050,  
21.4570

125.1340, 24.4310,  
36.3270

1.8240, -5.1360,  
4.9760

151.8460, 25.3020,  
37.0620

0.0000, 0.0000,  
0.0000


179.5580, 26.1730,  
37.7970


206.7860, 25.5310,  
38.4190


224.4760, 14.3000,


27.1960


 241.4990, 6.3250,  
12.0290


 47.3510, 22.3220,  
36.0020


 47.3510, 22.3220,  
36.0020


 41.9540, 25.1180,  
40.3980

 52.7480, 19.5260,  
31.6060

 36.5570, 27.9140,  
44.7940

 58.1450, 16.7300,  
27.2100

 63.5420, 13.9340,  
22.8140

 68.9390, 11.1380,  
18.4180

 74.8090, 8.3880,  
13.1880

■ 80.2060, 5.5920,  
8.7920

■ 85.6030, 2.7960,  
4.3960

■ 91.0000, -0.0000,  
-0.0000

■ 96.3970, -2.7960,  
-4.3960

# Harmonies

## Analogous

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



50.6600, -18.5730, 22.7310



47.3510, 22.3220, 36.0020



37.8070, 47.4010, 38.5450

# Triad

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



47.3510, 22.3220, 36.0020



47.8880, 23.2020, -13.0060



47.9590, -45.4810, -7.2490

# Complementary

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



47.3510, 22.3220, 36.0020



61.6490, -22.3220, -36.0020

# 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.



44.0830, -34.5670, -17.8230



47.3510, 22.3220, 36.0020



43.3040, 1.0590, -24.7090

# Square

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



47.3510, 22.3220, 36.0020



46.8570, 42.8230, 0.3510



38.6910, -22.1400, -28.2840



49.0480, -52.6810, 2.0950



# Rectangle

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



47.3510, 22.3220, 36.0020



37.0600, 53.6380, 30.1340



38.6910, -22.1400, -28.2840



46.7050, -41.9500, -10.6700

# Sweetspot

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



47.3510, 22.3220, 36.0020



100.3360, 8.3420, 14.0220



28.1160, -19.8570, 23.9750



48.7930, 5.3170, 8.2690



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.



47.3510, 22.3220, 36.0020



50.0020, 34.3310, 55.1550



43.2470, 33.8780, 24.8060



42.9510, 1.6960, 2.3040



44.1760, 33.7810, 54.1090



95.2590, 72.5580, 116.7980



# Inverse Universe

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



47.3510, 22.3220, 36.0020



50.0020, 34.3310, 55.1550



65.7530, -33.8780, -24.8060



42.9510, 1.6960, 2.3040



44.1760, 33.7810, 54.1090

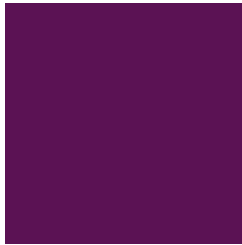


95.2590, 72.5580, 116.7980



# Previews

## White Background



This preview shows how the YIQ color 47.3510, 22.3220, 36.0020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

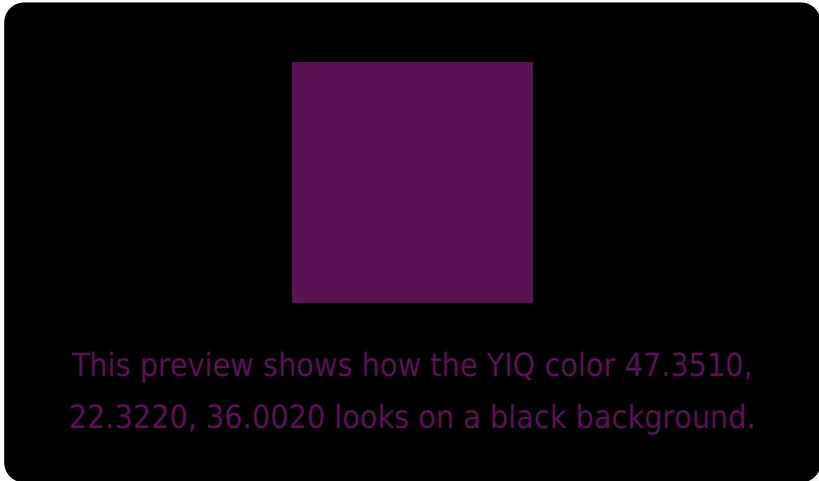
Any Text WCAG AA ✓ Pass

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

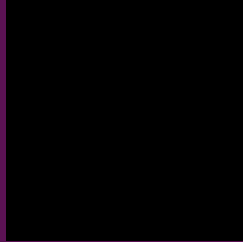
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 47.3510, 22.3220, 36.0020**

## **Background**



This preview shows how black text looks on a background with the YIQ color 47.3510, 22.3220, 36.0020.



This preview shows how white text looks on a background with the YIQ color 47.3510, 22.3220,



# 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

47.3510, 22.3220, 36.0020

### Protanopia

42.2490, -48.6930, 6.9150

### Deuteranopia

52.3760, -15.4980, 5.5420



## Tritanopia

51.2920, 28.8370, 11.5330

# Trichromacy



## Original Color

47.3510, 22.3220, 36.0020

## Protanomaly

44.0460, -22.8360, 17.3880

## Deuteranomaly

50.3550, -1.8370, 16.7790

## Tritanomaly

49.6050, 26.8180, 20.5940

# Monochromacy



## Original Color

47.3510, 22.3220, 36.0020

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.8090, 8.3880, 13.1880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.3510, 22.3220, 36.0020 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(91, 18, 84)` looks like.

```
.text, #text, p{  
    color:rgb(91, 18, 84)  
}
```

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(91, 18, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 18, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 47.3510, 22.3220, 36.0020 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(91, 18, 84) }
```



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

```
.border{ border-color:rgb(91, 18, 84) }
```

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

Here you see how a box with a 4 pixel rgb(91, 18, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 18, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 18, 84);  
box-shadow:4px 4px 4px 4px rgb(91, 18, 84)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 47.3510, 22.3220, 36.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 18, 84) }
```

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

```
.background{ background-color: rgb(91, 18,  
84) }
```

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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