

# Converting Colors

YIQ(72.9200, 22.4580, 44.5540)

Have a look what the booklet for  
YIQ(72.9200, 22.4580, 44.5540)  
contains.

<b>YIQ(72.9200, 22.4580, 44.5540)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(72.9200, 22.4580,  
44.5540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A267C
RGB	122, 38, 124
RGB Percent	48%, 15%, 49%
CMY	0.5213, 0.8511, 0.5137
CMYK	0.02, 0.69, 0.00, 0.51
HSL	299°, 53%, 32%
HSV	299°, 69%, 49%
XYZ	12.3656, 6.9817, 19.7665
YIQ	72.9200, 22.4580, 44.5540

# Conversions

## Conversions Part 2

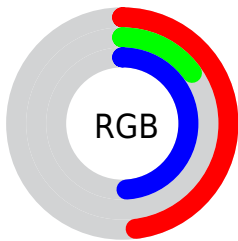
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 38, 124
Decimal	8005244
CIE <sub>Lab</sub>	31.77, 47.47, -30.89
CIE <sub>LCh</sub>	32, 56.637, 326.946
Yxy	6.9817, 0.3161, 0.1785
Android (android.graphics.Color)	4286195324 (0xFF7A267C)
YUV	72.9200, 25.1824, 43.0432
Hunter-Lab	26.4228, 37.2964, -25.8580

# Details

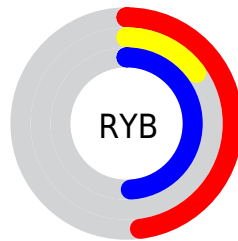
The YIQ color **72.9200, 22.4580, 44.5540** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **89.0800, -22.4580, -44.5540**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.5180, 23.6500, 44.9780**, and **29.4800, 17.6450, 38.1650** is the 20% darker color. If you saturate the color by 10%, you get **65.8760, 25.7580, 50.8300**, and if you desaturate by 10%, it is **79.9640, 19.1580, 38.2780**.

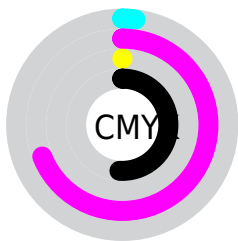
# Distribution



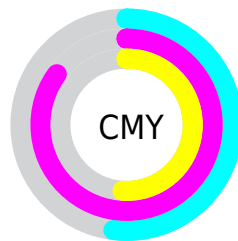
- Red (48%)
- Green (15%)
- Blue (49%)



- Red (48%)
- Yellow (15%)
- Blue (49%)



- Cyan (2%)
- Magenta (69%)
- Yellow (0%)
- Black (51%)



- Cyan (52%)
- Magenta (85%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.9200, 22.4580, 44.5540 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 72.9200, 22.4580, 44.5540 by changing the saturation by 10% instead.



72.9200, 22.4580,  
44.5540

72.9200, 22.4580,  
44.5540

255.0000, -0.0000,  
-0.0000

42.3380, 24.3370,  
49.0490

126.5180, 23.6500,  
44.9780

29.4800, 17.6450,  
38.1650

153.3440, 24.2000,  
46.0240

19.9810, 11.3200,  
26.1360

181.0560, 25.0710,  
46.7590

7.0080, -2.4780,  
11.8740

205.6920, 23.1000,  
43.9320

0.0000, 0.0000,  
0.0000

222.1280, 15.4000,  
29.2880

239.1510, 7.4250,

14.1210

■ 72.9200, 22.4580,  
44.5540

■ 72.9200, 22.4580,  
44.5540

■ 65.8760, 25.7580,  
50.8300

■ 79.9640, 19.1580,  
38.2780

■ 58.2450, 29.3330,  
57.6290

■ 87.8940, 16.1790,  
31.6910

■ 50.9020, 32.0370,  
63.6930

■ 94.9380, 12.8790,  
25.4150

■ 50.3150, 32.3120,  
64.2160

■ 102.5690, 9.3040,  
18.6160

■ 109.6130, 6.0040,  
12.3400

■ 116.9560, 3.3000,  
6.2760

■ 124.5870, -0.2750,  
-0.5230

■ 131.6310, -3.5750,  
-6.7990

■ 139.5610, -6.5540,  
-13.3860

# Harmonies

## Analogous

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



72.5690, -34.2540, 26.0820



72.9200, 22.4580, 44.5540



55.8340, 61.1070, 54.4750

# Triad

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



72.9200, 22.4580, 44.5540



70.3810, 37.6910, -16.7810



67.5870, -62.1690, -13.1850

# Complementary

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



72.9200, 22.4580, 44.5540



89.0800, -22.4580, -44.5540

# 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.



62.4570, -47.7240, -27.1800



72.9200, 22.4580, 44.5540



65.1550, 8.4880, -32.6960

# Square

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



72.9200, 22.4580, 44.5540



68.2090, 62.2630, 0.4630



55.1100, -31.1700, -40.8500



70.5170, -73.1750, -0.9430



# Rectangle

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



72.9200, 22.4580, 44.5540



56.6480, 69.9580, 42.7420



55.1100, -31.1700, -40.8500



66.5780, -57.9500, -18.0620

# Sweetspot

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



72.9200, 22.4580, 44.5540



140.7430, 8.7540, 17.5700



49.5650, -28.4310, 25.1770



69.3740, 5.1790, 10.7710



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



72.9200, 22.4580, 44.5540



81.4450, 35.0620, 69.4460



68.9580, 36.4900, 32.5380



57.4780, 1.6500, 3.1380



50.7280, 32.5870, 64.7390



102.5810, 66.3200, 130.7360



# Inverse Universe

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



63.9420, 50.6140, 18.8540



67.4080, 78.9010, 29.3410



93.0420, -36.4900, -32.5380



56.7940, 3.5760, 1.2720



37.7170, 73.5370, 27.4330



76.0320, 148.2660, 55.2900



# Previews

## White Background



This preview shows how the YIQ color 72.9200, 22.4580, 44.5540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

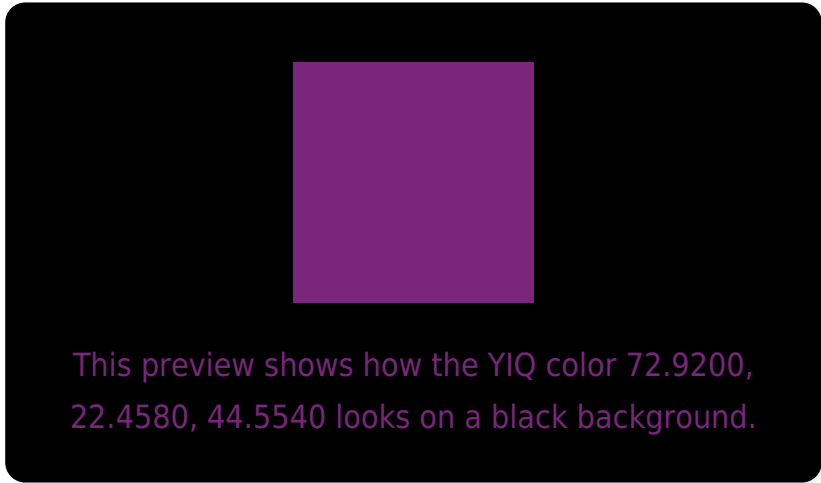
Any Text WCAG AA ✓ Pass

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

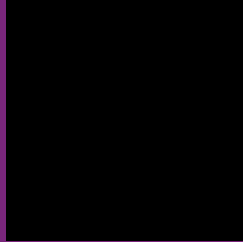
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 72.9200, 22.4580, 44.5540

## Background



This preview shows how black text looks on a background with the YIQ color 72.9200, 22.4580, 44.5540.



This preview shows how white text looks on a background with the YIQ color 72.9200, 22.4580,



# 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

72.9200, 22.4580, 44.5540

### Protanopia

60.6350, -70.1510, 10.3370

### Deuteranopia

74.2100, -26.5940, 8.3980



## Tritanopia

75.4990, 32.6880, 13.3280

# Trichromacy



## Original Color

72.9200, 22.4580, 44.5540

## Protanomaly

64.7920, -36.5000, 22.7320

## Deuteranomaly

73.6950, -8.4860, 21.6420

## Tritanomaly

74.9090, 29.0180, 24.7780

# Monochromacy



## Original Color

72.9200, 22.4580, 44.5540

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

72.9170, 8.2040, 16.5240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.9200, 22.4580, 44.5540 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(122, 38, 124)` looks like.

```
.text, #text, p{  
    color:rgb(122, 38, 124)  
}
```

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(122, 38, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 38, 124) }
```

## Border

The CSS property to change the border of an element to YIQ 72.9200, 22.4580, 44.5540 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(122, 38, 124) }
```



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

```
.border{ border-color:rgb(122, 38, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 38, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 38, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 38, 124);  
box-shadow:4px 4px 4px 4px rgb(122, 38,  
124) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.9200, 22.4580, 44.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 38, 124) }
```

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

```
.background{ background-color: rgb(122, 38,  
124) }
```

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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