

# Converting Colors

YIQ(120.9210, 48.2210, 67.7490)

Have a look what the booklet for  
YIQ(120.9210, 48.2210, 67.7490)  
contains.

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# Color

**YIQ(120.9210, 48.2210,  
67.7490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D140B7
RGB	209, 64, 183
RGB Percent	82%, 25%, 72%
CMY	0.1800, 0.7492, 0.2823
CMYK	0.00, 0.69, 0.12, 0.18
HSL	311°, 61%, 54%
HSV	311°, 69%, 82%
XYZ	36.7046, 20.6508, 46.8650
YIQ	120.9210, 48.2210, 67.7490

# Conversions

## Conversions Part 2

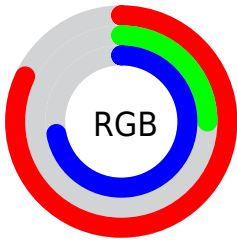
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 64, 183
Decimal	13713591
CIE Lab	52.57, 68.57, -32.79
CIE LCh	53, 76.006, 334.443
Yxy	20.6508, 0.3522, 0.1981
Android (android.graphics.Color)	4291903671 (0xFFD140B7)
YUV	120.9210, 30.6049, 77.2453
Hunter-Lab	45.4432, 64.6495, -29.3349

# Details

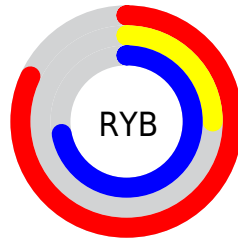
The YIQ color **120.9210, 48.2210, 67.7490** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **152.0790, -48.2210, -67.7490**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.6920, 41.4360, 64.0600**, and **59.9690, 48.2660, 72.4420** is the 20% darker color. If you saturate the color by 10%, you get **108.1380, 55.2800, 77.4880**, and if you desaturate by 10%, it is **133.7040, 41.1620, 58.0100**.

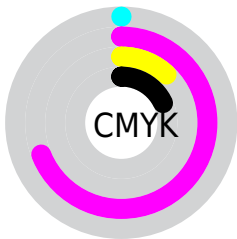
# Distribution



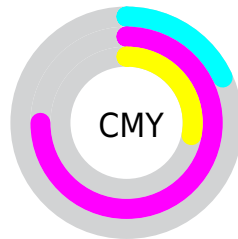
- Red (82%)
- Green (25%)
- Blue (72%)



- Red (82%)
- Yellow (25%)
- Blue (72%)



- Cyan (0%)
- Magenta (69%)
- Yellow (12%)
- Black (18%)



- Cyan (18%)
- Magenta (75%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.9210, 48.2210, 67.7490 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 120.9210, 48.2210, 67.7490 by changing the saturation by 10% instead.



120.9210, 48.2210,  
67.7490

120.9210, 48.2210,  
67.7490

255.0000, -0.0000,  
-0.0000

87.4530, 49.7790,  
72.5550

175.6920, 41.4360,  
64.0600

59.9690, 48.2660,  
72.4420

194.5390, 28.3250,  
53.8690

48.3340, 39.3280,  
58.2080

211.5620, 20.3500,  
38.7020

37.2260, 30.3440,  
44.8080

228.5850, 12.3750,  
23.5350

26.7160, 22.5520,  
31.8320

246.1950, 4.1250,  
7.8450

15.8360, 12.9260,  
19.0540

0.7980, -2.2470,

2.1770

■ 0.0000, 0.0000,  
0.0000

■ 120.9210, 48.2210,  
67.7490

■ 120.9210, 48.2210,  
67.7490

■ 108.1380, 55.2800,  
77.4880

■ 133.7040, 41.1620,  
58.0100

■ 95.4690, 62.0180,  
87.5380

■ 146.4870, 34.1030,  
48.2710

■ 82.6860, 69.0770,  
97.2770

■ 159.1560, 27.3650,  
38.2210

■ 82.0990, 69.3520,  
97.8000

■ 171.9390, 20.3060,  
28.4820

■ 184.7220, 13.2470,  
18.7430

■ 196.9180, 6.4630,  
9.5270

■ 209.5870, -0.2750,  
-0.5230

■ 222.3700, -7.3340,  
-10.2620

■ 235.1530,  
-14.3930, -20.0010

# Harmonies

## Analogous

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



127.2030, -23.5750, 47.3130



120.9210, 48.2210, 67.7490



106.1480, 92.8780, 67.9020

# Triad

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



120.9210, 48.2210, 67.7490



116.7190, 50.5780, -35.5820



112.3830, -105.6330, -18.4410

# Complementary

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



120.9210, 48.2210, 67.7490



152.0790, -48.2210, -67.7490

# 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.



105.0870, -85.0890, -38.3450



120.9210, 48.2210, 67.7490



105.4800, 5.0540, -58.5780

# Square

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



120.9210, 48.2210, 67.7490



117.0050, 88.7200, -10.9600



95.4600, -62.1150, -58.2350



114.1050, -118.7490, -0.9970



# Rectangle

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



120.9210, 48.2210, 67.7490



108.8660, 101.6390, 46.7830



95.4600, -62.1150, -58.2350



110.6900, -99.4880, -25.1840

# Sweetspot

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



120.9210, 48.2210, 67.7490



222.1620, 18.0600, 25.1320



87.7060, -32.2410, 50.1830



108.5320, 10.7260, 14.8700



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



120.9210, 48.2210, 67.7490



126.2240, 70.4980, 99.0580



112.8270, 71.0120, 45.6680



98.3150, 3.6670, 5.1310



65.9640, 55.8300, 78.5340



16.0210, 13.8430, 18.9550



# Inverse Universe

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



120.9210, 48.2210, 67.7490



126.2240, 70.4980, 99.0580



160.1730, -71.0120, -45.6680



98.3150, 3.6670, 5.1310



65.9640, 55.8300, 78.5340



16.0210, 13.8430, 18.9550



# Previews

## White Background



This preview shows how the YIQ color 120.9210, 48.2210, 67.7490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

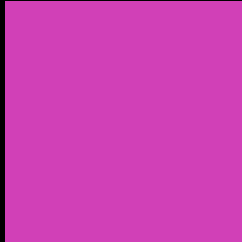
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.9210, 48.2210, 67.7490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

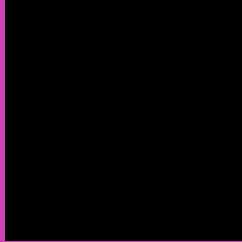
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.9210, 48.2210, 67.7490

## Background



This preview shows how black text looks on a background with the YIQ color 120.9210, 48.2210, 67.7490.



This preview shows how white text looks on a background with the YIQ color 120.9210, 48.2210,



# 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

120.9210, 48.2210, 67.7490

### Protanopia

118.8070, -67.2190, 23.2850

### Deuteranopia

125.5140, -24.3940, 12.5820



## Tritanopia

123.9870, 63.9090, 25.7090

# Trichromacy



## Original Color

120.9210, 48.2210, 67.7490



## Protanomaly

119.6770, -25.2700, 39.4820



## Deuteranomaly

123.7060, 2.1490, 32.6530



## Tritanomaly

123.1350, 58.2210, 40.6930

# Monochromacy



## Original Color

120.9210, 48.2210, 67.7490



## Achromatopsia

121.0000, -0.0000, 0.0000



## Achromatomaly

120.8630, 17.4640, 24.9200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.9210, 48.2210, 67.7490 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(209, 64, 183)` looks like.

```
.text, #text, p{  
    color:rgb(209, 64, 183)  
}
```

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(209, 64, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 64, 183) }
```

## Border

The CSS property to change the border of an element to YIQ 120.9210, 48.2210, 67.7490 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(209, 64, 183) }
```



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

```
.border{ border-color:rgb(209, 64, 183) }
```

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

Here you see how a box with a 4 pixel rgb(209, 64, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 64, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 64, 183);  
box-shadow:4px 4px 4px 4px rgb(209, 64,  
183) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.9210, 48.2210, 67.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 64, 183) }
```

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

```
.background{ background-color: rgb(209, 64,  
183) }
```

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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