

# Converting Colors

YIQ(95.2020, 50.3690, 105.9290)

Have a look what the booklet for  
YIQ(95.2020, 50.3690, 105.9290)  
contains.

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**Color**

**YIQ(95.2020, 50.3690,  
105.9290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D10DDC
RGB	209, 13, 220
RGB Percent	82%, 5%, 86%
CMY	0.1798, 0.9492, 0.1372
CMYK	0.05, 0.94, 0.00, 0.14
HSL	297°, 89%, 46%
HSV	297°, 94%, 86%
XYZ	39.3999, 19.0311, 69.3139
YIQ	95.2020, 50.3690, 105.9290

# Conversions

## Conversions Part 2

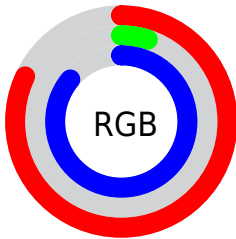
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 13, 220
Decimal	13700572
CIE <sub>Lab</sub>	50.72, 85.21, -57.01
CIE <sub>LCh</sub>	51, 102.521, 326.216
Yxy	19.0311, 0.3084, 0.1490
Android (android.graphics.Color)	4291890652 (0xFFD10DDC)
YUV	95.2020, 61.5254, 99.8008
Hunter-Lab	43.6246, 84.8708, -63.6670

# Details

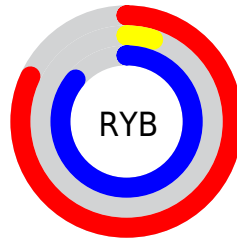
The YIQ color **95.2020, 50.3690, 105.9290** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **137.7980, -50.3690, -105.9290**, and the grayscale version is **95.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **162.8410, 43.1750, 82.1110**, and **63.2470, 36.1600, 82.5920** is the 20% darker color. If you saturate the color by 10%, you get **87.2720, 53.3480, 112.5160**, and if you desaturate by 10%, it is **108.4150, 44.9150, 94.6350**.

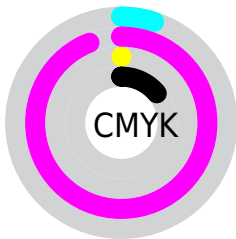
# Distribution



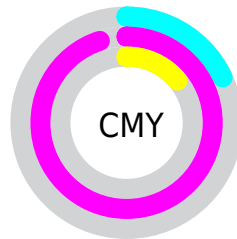
- Red (82%)
- Green (5%)
- Blue (86%)



- Red (82%)
- Yellow (5%)
- Blue (86%)



- Cyan (5%)
- Magenta (94%)
- Yellow (0%)
- Black (14%)



- Cyan (18%)
- Magenta (95%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 95.2020, 50.3690, 105.9290 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 95.2020, 50.3690, 105.9290 by changing the saturation by 10% instead.



95.2020, 50.3690,  
105.9290

95.2020, 50.3690,  
105.9290

255.0000, -0.0000,  
-0.0000

75.4090, 45.0520,  
97.6600

162.8410, 43.1750,  
82.1110

63.5460, 36.7560,  
82.8040

181.0380, 34.6500,  
65.8980

51.4980, 27.5430,  
68.0470

198.6480, 26.4000,  
50.2080

39.8630, 18.6050,  
53.8130

216.2580, 18.1500,  
34.5180

28.9400, 10.5380,  
40.3140

233.8680, 9.9000,  
18.8280

16.5220, -0.5090,  
25.7550

252.0650, 1.3750,

4.9190, -12.4730,

2.6150

11.2950

■ 2.2970, -5.0900,  
4.1420

■ 0.0000, 0.0000,  
0.0000

■ 95.2020, 50.3690,  
105.9290

■ 95.2020, 50.3690,  
105.9290

■ 87.2720, 53.3480,  
112.5160

■ 108.4150, 44.9150,  
94.6350

■ 121.6280, 39.4610,  
83.3410

■ 135.1400, 34.6030,  
72.2590

■ 148.3530, 29.1490,  
60.9650

■ 161.5660, 23.6950,  
49.6710

■ 174.7790, 18.2410,  
38.3770

■ 187.9920, 12.7870,  
27.0830

■ 201.2050, 7.3330,  
15.7890

■ 214.7170, 2.4750,  
4.7070

# Harmonies

## Analogous

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



99.0990, -91.1080, 32.2200



95.2020, 50.3690, 105.9290



91.7490, 108.3240, 96.3560

# Triad

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



95.2020, 50.3690, 105.9290



113.8610, 62.2220, -26.3380



112.8560, -105.5870, -19.2750

# Complementary

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



95.2020, 50.3690, 105.9290



137.7980, -50.3690, -105.9290

# 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.



102.0090, -76.4220, -46.7420



95.2020, 50.3690, 105.9290



101.3380, 2.5780, -57.7580

# Square

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



95.2020, 50.3690, 105.9290



105.1090, 112.6950, 11.5990



86.8760, -40.7000, -77.4040



118.2940, -123.6550, -0.1910



# Rectangle

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



95.2020, 50.3690, 105.9290



85.2510, 126.6210, 78.6290



86.8760, -40.7000, -77.4040



109.5500, -96.2780, -28.2940

# Sweetspot

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



95.2020, 50.3690, 105.9290



212.1270, 17.1410, 36.2850



44.8160, -70.2970, 57.0550



101.2750, 10.3120, 22.3760



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.



95.2020, 50.3690, 105.9290



101.4280, 62.3770, 130.6090



88.2310, 85.8150, 80.2710



103.2440, 2.4290, 5.5410



68.7580, 42.2110, 88.5710



18.1010, 10.8620, 23.4220



# Inverse Universe

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



76.1470, 119.8410, 47.3050



77.7270, 147.8070, 58.1030



144.7690, -85.8150, -80.2710



102.2890, 6.5560, 2.3320



52.7530, 100.2190, 39.4750



13.9820, 26.7740, 10.3740



# Previews

## White Background



This preview shows how the YIQ color 95.2020, 50.3690, 105.9290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

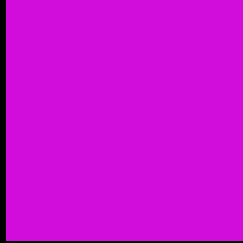
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 95.2020, 50.3690, 105.9290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

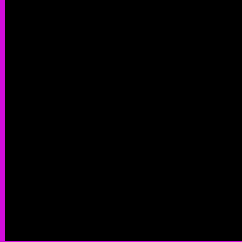
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 95.2020, 50.3690, 105.9290

## Background



This preview shows how black text looks on a background with the YIQ color 95.2020, 50.3690, 105.9290.



This preview shows how white text looks on a background with the YIQ color 95.2020, 50.3690,



# 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

95.2020, 50.3690, 105.9290

### Protanopia

97.5380, -112.0580, 15.4140

### Deuteranopia

113.7390, -64.5120, 12.7680



## Tritanopia

119.6770, 61.8460, 24.5500

# Trichromacy



## Original Color

95.2020, 50.3690, 105.9290



## Protanomaly

96.8160, -53.1020, 48.2900



## Deuteranomaly

106.9750, -22.9330, 46.6910



## Tritanomaly

110.8660, 58.0810, 54.2490

# Monochromacy



## Original Color

95.2020, 50.3690, 105.9290



## Achromatopsia

95.0000, -0.0000, -0.0000



## Achromatomaly

95.0780, 18.8370, 38.5890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 95.2020, 50.3690, 105.9290 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, 13, 220)` looks like.

```
.text, #text, p{  
    color:rgb(209, 13, 220)  
}
```

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, 13, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 13, 220) }
```

## Border

The CSS property to change the border of an element to YIQ 95.2020, 50.3690, 105.9290 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, 13, 220) }
```



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

```
.border{ border-color:rgb(209, 13, 220) }
```

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

Here you see how a box with a 4 pixel rgb(209, 13, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 13, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 13, 220);  
box-shadow:4px 4px 4px 4px rgb(209, 13,  
220) }
```

# Background

The CSS property to change the background color of an element to YIQ 95.2020, 50.3690, 105.9290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 13, 220) }
```

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

```
.background{ background-color: rgb(209, 13,  
220) }
```

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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