

Converting Colors

YIQ(109.7700, 51.1050, 92.5850)

Have a look what the booklet for
YIQ(109.7700, 51.1050, 92.5850)
contains.

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Color

**YIQ(109.7700, 51.1050,
92.5850)**

Conversions

Conversions Part 1

Format	Color
Hex	D824D3
RGB	216, 36, 211
RGB Percent	85%, 14%, 83%
CMY	0.1524, 0.8591, 0.1725
CMYK	0.00, 0.83, 0.02, 0.15
HSL	302°, 71%, 49%
HSV	302°, 83%, 85%
XYZ	40.7480, 20.5810, 63.4642
YIQ	109.7700, 51.1050, 92.5850

Conversions

Conversions Part 2

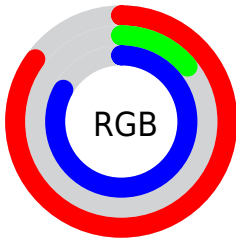
Format	Color
R _{YB}	216, 36, 211
Decimal	14165203
CIE Lab	52.49, 81.81, -48.98
CIE LCh	52, 95.352, 329.089
Yxy	20.5810, 0.3265, 0.1649
Android (android.graphics.Color)	4292355283 (0xFFD824D3)
YUV	109.7700, 49.9064, 93.1637
Hunter-Lab	45.3663, 80.9377, -51.1860

Details

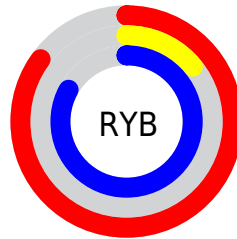
The YIQ color **109.7700, 51.1050, 92.5850** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **142.2300, -51.1050, -92.5850**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.1240, 40.7000, 77.4040**, and **64.7270, 43.4960, 81.8000** is the 20% darker color. If you saturate the color by 10%, you get **96.7420, 57.4760, 103.7800**, and if you desaturate by 10%, it is **122.7980, 44.7340, 81.3900**.

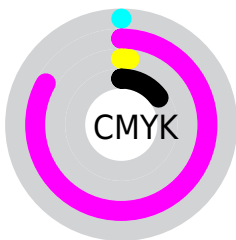
Distribution



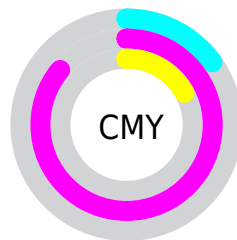
- Red (85%)
- Green (14%)
- Blue (83%)



- Red (85%)
- Yellow (14%)
- Blue (83%)



- Cyan (0%)
- Magenta (83%)
- Yellow (2%)
- Black (15%)



- Cyan (15%)
- Magenta (86%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.7700, 51.1050, 92.5850 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 109.7700, 51.1050, 92.5850 by changing the saturation by 10% instead.

109.7700, 51.1050,
92.5850

109.7700, 51.1050,
92.5850

255.0000, -0.0000,
-0.0000

76.4760, 52.1130,
96.3450

168.1240, 40.7000,
77.4040

64.7270, 43.4960,
81.8000

185.7340, 32.4500,
61.7140

52.9780, 34.8790,
67.2550

203.3440, 24.2000,
46.0240

41.3430, 25.9410,
53.0210

220.9540, 15.9500,
30.3340

30.2350, 16.9570,
39.6210

238.5640, 7.7000,
14.6440

18.8280, 7.3770,
26.0090

3.6480, -10.2720,

9.9520

■ 0.4560, -1.2840,
1.2440

■ 0.0000, 0.0000,
0.0000

■ 109.7700, 51.1050,
92.5850

■ 109.7700, 51.1050,
92.5850

■ 96.7420, 57.4760,
103.7800

■ 122.7980, 44.7340,
81.3900

■ 88.5240, 61.3260,
111.1020

■ 135.1250, 38.9590,
70.4070

■ 148.1530, 32.5880,
59.2120

■ 160.4800, 26.8130,
48.2290

■ 173.5080, 20.4420,
37.0340

■ 186.5360, 14.0710,
25.8390

■ 198.8630, 8.2960,
14.8560

■ 211.8910, 1.9250,
3.6610

■ 224.3320, -4.1710,
-7.0110

Harmonies

Analogous

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



118.2240, -54.4310, 44.8410



109.7700, 51.1050, 92.5850



91.2930, 109.6080, 95.1120

Triad

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



109.7700, 51.1050, 92.5850



117.9590, 58.8300, -30.9460



116.0020, -108.9340, -19.1900

Complementary

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



109.7700, 51.1050, 92.5850



142.2300, -51.1050, -92.5850

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.



105.8390, -81.6950, -44.7910



109.7700, 51.1050, 92.5850



104.8710, 2.3950, -59.9490

Square

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



109.7700, 51.1050, 92.5850



113.3050, 105.9110, 2.3830



92.6610, -50.1000, -72.2440



119.4680, -124.2050, -1.2370

Rectangle

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



109.7700, 51.1050, 92.5850



85.1370, 126.9420, 78.3180



92.6610, -50.1000, -72.2440



112.9240, -100.2670, -27.5870

Sweetspot

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



109.7700, 51.1050, 92.5850



217.2040, 18.2420, 32.8500



57.4170, -55.9920, 56.6160



104.8790, 11.3670, 19.7750



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.



109.7700, 51.1050, 92.5850



104.5170, 72.3720, 131.1880



99.7380, 79.3530, 65.2170



100.5430, 3.0250, 5.7530



70.0530, 48.6300, 87.8780



17.6450, 12.1460, 22.1780

Inverse Universe

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



109.7700, 51.1050, 92.5850



104.5170, 72.3720, 131.1880



152.2620, -79.3530, -65.2170



100.5430, 3.0250, 5.7530



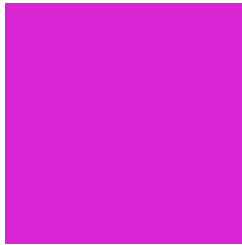
70.0530, 48.6300, 87.8780



17.6450, 12.1460, 22.1780

Previews

White Background



This preview shows how the YIQ color 109.7700, 51.1050, 92.5850 looks on a white background.

Color Contrast Check

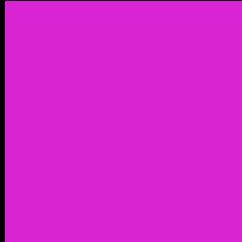
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.7700, 51.1050, 92.5850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

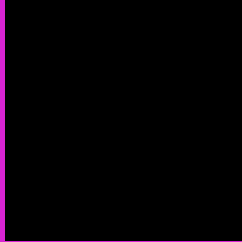
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 109.7700, 51.1050, 92.5850

Background



This preview shows how black text looks on a background with the YIQ color 109.7700, 51.1050, 92.5850.



This preview shows how white text looks on a background with the YIQ color 109.7700, 51.1050,

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

109.7700, 51.1050, 92.5850

Protanopia

107.2730, -100.8260, 21.1100

Deuteranopia

122.0630, -47.8690, 14.0110



Tritanopia

123.3680, 67.2100, 26.4580

Trichromacy



Original Color

109.7700, 51.1050, 92.5850



Protanomaly

108.1820, -45.4450, 47.1870



Deuteranomaly

117.5000, -11.4700, 42.6900



Tritanomaly

118.3130, 61.0160, 50.6160

Monochromacy



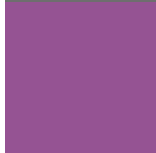
Original Color

109.7700, 51.1050, 92.5850



Achromatopsia

110.0000, 0.0000, 0.0000



Achromatomaly

110.0300, 18.7920, 33.8960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.7700, 51.1050, 92.5850 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(216, 36, 211)` looks like.

```
.text, #text, p{  
    color:rgb(216, 36, 211)  
}
```

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(216, 36, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 36, 211) }
```

Border

The CSS property to change the border of an element to YIQ 109.7700, 51.1050, 92.5850 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(216, 36, 211) }
```


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

```
.border{ border-color:rgb(216, 36, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 36, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 36, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 36, 211);  
box-shadow:4px 4px 4px 4px rgb(216, 36,  
211) }
```

Background

The CSS property to change the background color of an element to YIQ 109.7700, 51.1050, 92.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 36, 211) }
```

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

```
.background{ background-color: rgb(216, 36,  
211) }
```

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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