

Converting Colors

YIQ(115.1710, 16.1230, 87.7950)

Have a look what the booklet for
YIQ(115.1710, 16.1230, 87.7950)
contains.

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Color

**YIQ(115.1710, 16.1230,
87.7950)**

Conversions

Conversions Part 1

Format	Color
Hex	B936F7
RGB	185, 54, 247
RGB Percent	73%, 21%, 97%
CMY	0.2741, 0.7884, 0.0315
CMYK	0.25, 0.78, 0.00, 0.03
HSL	281°, 92%, 59%
HSV	281°, 78%, 97%
XYZ	38.1359, 19.6753, 89.7658
YIQ	115.1710, 16.1230, 87.7950

Conversions

Conversions Part 2

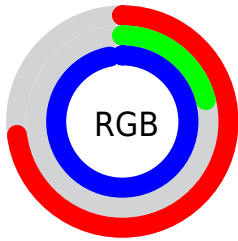
Format	Color
R _Y B	185, 54, 247
Decimal	12138231
CIE _{Lab}	51.47, 77.97, -71.21
CIE _{LCh}	51, 105.595, 317.595
Yxy	19.6753, 0.2584, 0.1333
Android (android.graphics.Color)	4290328311 (0xFFB936F7)
YUV	115.1710, 64.9917, 61.2400
Hunter-Lab	44.3569, 75.8414, -88.9365

Details

The YIQ color **115.1710, 16.1230, 87.7950** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **185.8290, -16.1230, -87.7950**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.1290, 33.1360, 71.3120**, and **59.2200, 14.4270, 85.4910** is the 20% darker color. If you saturate the color by 10%, you get **98.1040, 18.2300, 99.1740**, and if you desaturate by 10%, it is **132.2380, 14.0160, 76.4160**.

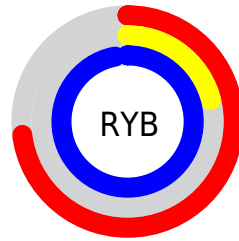
Distribution



Red (73%)

Green (21%)

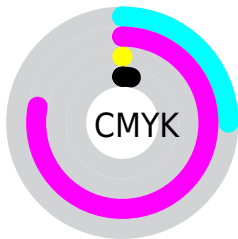
Blue (97%)



Red (73%)

Yellow (21%)

Blue (97%)

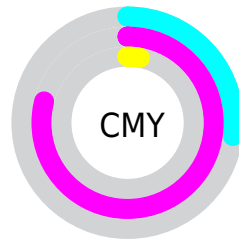


Cyan (25%)

Magenta (78%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (79%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 115.1710, 16.1230, 87.7950 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 115.1710, 16.1230, 87.7950 by changing the saturation by 10% instead.

115.1710, 16.1230,
87.7950

115.1710, 16.1230,
87.7950

255.0000, -0.0000,
-0.0000

74.1320, 21.0270,
98.0430

170.1290, 33.1360,
71.3120

59.2200, 14.4270,
85.4910

189.8430, 30.5250,
58.0530

47.1720, 5.2140,
70.7340

206.8660, 22.5500,
42.8860

34.7110, -4.2740,
55.4540

224.4760, 14.3000,
27.1960

22.4780, -14.4040,
40.7960

241.4990, 6.3250,
12.0290

9.4620, -26.6430,
25.8130

10.1340, -20.2680,

14.9000

■ 5.2780, -12.1060,
10.1500

■ 1.3680, -3.8520,
3.7320

■ 115.1710, 16.1230,
87.7950

■ 115.1710, 16.1230,
87.7950

■ 98.1040, 18.2300,
99.1740

■ 132.2380, 14.0160,
76.4160

■ 81.6240, 20.0620,
110.0300

■ 148.7180, 12.1840,
65.5600

■ 78.3900, 20.8410,
112.4330

■ 165.7850, 10.0770,
54.1810

■ 182.8520, 7.9700,
42.8020

199.3320, 6.1380,
31.9460

216.3990, 4.0310,
20.5670

233.4660, 1.9240,
9.1880

250.2340, -0.7790,
-2.4030

254.0880, 2.5680,
-2.4880

Harmonies

Analogous

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



97.7490, -114.0300, 18.1140



115.1710, 16.1230, 87.7950



94.9410, 99.3360, 105.0640

Triad

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



115.1710, 16.1230, 87.7950



115.4550, 78.4050, -16.7550



112.2230, -99.6710, -27.3750

Complementary

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



115.1710, 16.1230, 87.7950



185.8290, -16.1230, -87.7950

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.



99.5180, -68.0300, -55.6620



115.1710, 16.1230, 87.7950



108.8460, 21.8790, -49.6170

Square

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



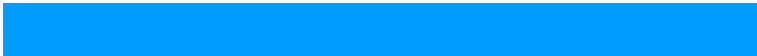
115.1710, 16.1230, 87.7950



94.3540, 131.7190, 30.2710



87.4630, -40.9750, -77.9270



120.6420, -124.7550, -2.2830

Rectangle

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



115.1710, 16.1230, 87.7950



88.2150, 118.2750, 86.7150



87.4630, -40.9750, -77.9270



107.9880, -89.1240, -36.8040

Sweetspot

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



115.1710, 16.1230, 87.7950



214.6860, 4.9010, 26.8290



113.5700, -79.5530, 26.5510



103.2800, 2.7480, 16.2840



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.



115.1710, 16.1230, 87.7950



91.0970, 20.1080, 109.1960



130.0610, 63.3470, 90.9870



113.7600, 0.9160, 5.4280



58.8780, 15.3900, 84.5580



18.6860, 4.9010, 26.8290

Inverse Universe

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



118.7750, 95.1260, 60.1980



95.5380, 118.3230, 74.8270



170.9390, -63.3470, -90.9870



114.0440, 5.8680, 3.7880



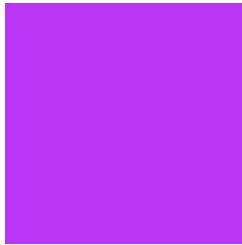
62.4540, 91.5960, 58.0920



19.8070, 29.0650, 18.4170

Previews

White Background



This preview shows how the YIQ color 115.1710, 16.1230, 87.7950 looks on a white background.

Color Contrast Check

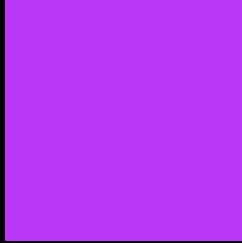
Large Text (above 18pt) WCAG AA ✓ Pass

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 115.1710, 16.1230, 87.7950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

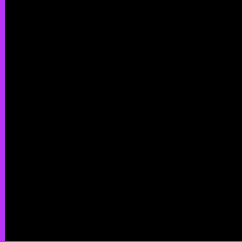
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 115.1710, 16.1230, 87.7950

Background



This preview shows how black text looks on a background with the YIQ color 115.1710, 16.1230, 87.7950.



This preview shows how white text looks on a background with the YIQ color 115.1710, 16.1230,

87.7950.

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

115.1710, 16.1230, 87.7950

Protanopia

98.3530, -112.9750, 15.5130

Deuteranopia

98.3410, -104.6740, 2.7340



Tritanopia

124.2540, 32.0000, 14.7840

Trichromacy



Original Color

115.1710, 16.1230, 87.7950

Protanomaly

104.1840, -66.1220, 41.9580

Deuteranomaly

104.2520, -60.8020, 33.6460

Tritanomaly

120.9650, 26.5850, 41.3450

Monochromacy



Original Color

115.1710, 16.1230, 87.7950

Achromatopsia

115.0000, -0.0000, 0.0000

Achromatomaly

115.0330, 5.5420, 31.7340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 115.1710, 16.1230, 87.7950 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(185, 54, 247)` looks like.

```
.text, #text, p{  
    color:rgb(185, 54, 247)  
}
```

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(185, 54, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 54, 247) }
```

Border

The CSS property to change the border of an element to YIQ 115.1710, 16.1230, 87.7950 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(185, 54, 247) }
```


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

```
.border{ border-color:rgb(185, 54, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 54, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 54, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 54, 247);  
box-shadow:4px 4px 4px 4px rgb(185, 54,  
247) }
```

Background

The CSS property to change the background color of an element to YIQ 115.1710, 16.1230, 87.7950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 54, 247) }
```

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

```
.background{ background-color: rgb(185, 54,  
247) }
```

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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