

Converting Colors

YIQ(117.1080, 20.4340, 81.2500)

Have a look what the booklet for
YIQ(117.1080, 20.4340, 81.2500)
contains.

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Color

**YIQ(117.1080, 20.4340,
81.2500)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3BE9
RGB	187, 59, 233
RGB Percent	73%, 23%, 91%
CMY	0.2662, 0.7688, 0.0863
CMYK	0.20, 0.75, 0.00, 0.09
HSL	284°, 80%, 57%
HSV	284°, 75%, 91%
XYZ	36.7865, 19.5829, 78.9216
YIQ	117.1080, 20.4340, 81.2500

Conversions

Conversions Part 2

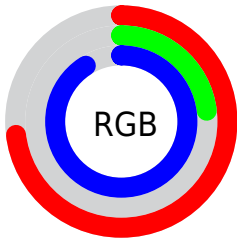
Format	Color
R _Y B	187, 59, 233
Decimal	12270569
CIE Lab	51.36, 74.02, -63.51
CIE LCh	51, 97.538, 319.370
Yxy	19.5829, 0.2719, 0.1447
Android (android.graphics.Color)	4290460649 (0xFFBB3BE9)
YUV	117.1080, 57.1348, 61.2953
Hunter-Lab	44.2526, 70.9423, -74.7629

Details

The YIQ color **117.1080, 20.4340, 81.2500** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **174.8920, -20.4340, -81.2500**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.7760, 32.6320, 69.4320**, and **58.6350, 20.3880, 82.0840** is the 20% darker color. If you saturate the color by 10%, you get **101.8130, 23.1830, 92.0070**, and if you desaturate by 10%, it is **132.4030, 17.6850, 70.4930**.

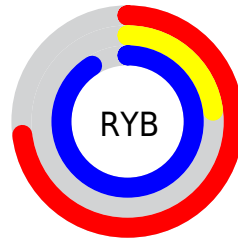
Distribution



Red (73%)

Green (23%)

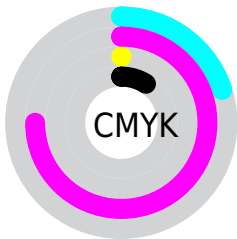
Blue (91%)



Red (73%)

Yellow (23%)

Blue (91%)

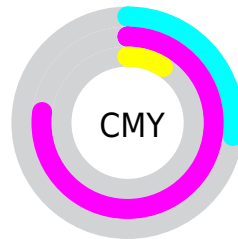


Cyan (20%)

Magenta (75%)

Yellow (0%)

Black (9%)



Cyan (27%)


Magenta (77%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.1080, 20.4340, 81.2500 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 117.1080, 20.4340, 81.2500 by changing the saturation by 10% instead.


 117.1080, 20.4340,
81.2500


 117.1080, 20.4340,
81.2500


255.0000, -0.0000,
-0.0000


 81.6510, 23.4590,
87.0030


 172.1890, 32.9070,
69.9550

 58.6350, 20.3880,
82.0840


 191.6040, 29.7000,
56.4840


 46.8860, 11.7710,
67.5390


 208.6270, 21.7250,
41.3170

 34.8380, 2.5580,
52.7820

 225.6500, 13.7500,
26.1500

 23.6160, -6.1050,
39.0710

 243.2600, 5.5000,
10.4600

 8.2080, -23.1120,
22.3920

 7.8200, -16.5080,

12.8360

■ 3.5510, -8.6210,
7.5630

■ 0.0000, 0.0000,
0.0000

■ 117.1080, 20.4340,
81.2500

■ 117.1080, 20.4340,
81.2500

■ 101.8130, 23.1830,
92.0070

■ 132.4030, 17.6850,
70.4930

■ 85.9310, 26.2070,
103.2870

■ 148.2850, 14.6610,
59.2130

■ 77.9900, 27.7190,
108.9270

■ 163.8790, 12.5080,
48.6680

■ 179.1740, 9.7590,
37.9110

■ 194.4690, 7.0100,
27.1540

■ 210.3510, 3.9860,
15.8740

■ 225.6460, 1.2370,
5.1170

■ 240.9410, -1.5120,
-5.6400

■ 248.6050, -0.6860,
-9.5980

Harmonies

Analogous

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



96.5750, -113.4800, 19.1600



117.1080, 20.4340, 81.2500



92.5340, 98.9240, 101.5160

Triad

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



117.1080, 20.4340, 81.2500



115.4220, 74.0040, -19.5960



111.0490, -99.1210, -26.3290

Complementary

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



117.1080, 20.4340, 81.2500



174.8920, -20.4340, -81.2500

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.



99.9570, -70.6440, -52.3400



117.1080, 20.4340, 81.2500



108.5470, 21.2830, -49.8290

Square

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



117.1080, 20.4340, 81.2500



101.9300, 120.8090, 18.7370



86.2890, -40.4250, -76.8810



118.3110, -122.3250, -2.2690

Rectangle

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



117.1080, 20.4340, 81.2500



87.7590, 119.5590, 85.4710



86.2890, -40.4250, -76.8810



107.8570, -90.1330, -35.0370

Sweetspot

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



117.1080, 20.4340, 81.2500



217.6430, 6.4600, 26.1080



105.8380, -68.5040, 30.0560



105.3510, 3.9860, 15.8740



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.



117.1080, 20.4340, 81.2500



101.7510, 26.8940, 107.3580



126.1880, 61.0110, 78.2510



109.6460, 1.2370, 5.1170



60.4010, 21.1670, 84.4870



17.8170, 5.9100, 25.0620

Inverse Universe

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



116.2700, 88.9380, 51.1940



100.7240, 117.4990, 67.7310



165.8120, -61.0110, -78.2510



109.6310, 5.5930, 3.2650



59.5910, 92.4680, 53.3000



17.7420, 27.6900, 15.8020

Previews

White Background



This preview shows how the YIQ color 117.1080, 20.4340, 81.2500 looks on a white background.

Color Contrast Check

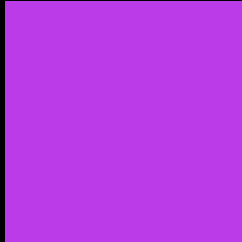
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.1080, 20.4340, 81.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

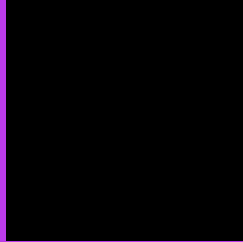
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.1080, 20.4340, 81.2500

Background



This preview shows how black text looks on a background with the YIQ color 117.1080, 20.4340, 81.2500.



This preview shows how white text looks on a background with the YIQ color 117.1080, 20.4340,

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

117.1080, 20.4340, 81.2500

Protanopia

97.7660, -112.7000, 16.0360

Deuteranopia

98.5690, -105.3160, 3.3560



Tritanopia

124.2330, 36.4930, 15.9570

Trichromacy



Original Color

117.1080, 20.4340, 81.2500



Protanomaly

105.0870, -64.4710, 39.5690



Deuteranomaly

105.2690, -59.4720, 31.5680



Tritanomaly

121.9500, 30.9410, 39.4930

Monochromacy



Original Color

117.1080, 20.4340, 81.2500



Achromatopsia

117.0000, -0.0000, 0.0000



Achromatomaly

116.9360, 7.1930, 29.3450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.1080, 20.4340, 81.2500 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(187, 59, 233)` looks like.

```
.text, #text, p{  
    color:rgb(187, 59, 233)  
}
```

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(187, 59, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 59, 233) }
```

Border

The CSS property to change the border of an element to YIQ 117.1080, 20.4340, 81.2500 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(187, 59, 233) }
```


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

```
.border{ border-color:rgb(187, 59, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 59, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 59, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 59, 233); box-shadow:4px 4px 4px 4px rgb(187, 59, 233) }
```

Background

The CSS property to change the background color of an element to YIQ 117.1080, 20.4340, 81.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 59, 233) }
```

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

```
.background{ background-color: rgb(187, 59,  
233) }
```

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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