

Converting Colors

YIQ(120.4870, 16.9080, 57.0360)

Have a look what the booklet for
YIQ(120.4870, 16.9080, 57.0360)
contains.

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Color

**YIQ(120.4870, 16.9080,
57.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4FC7
RGB	172, 79, 199
RGB Percent	67%, 31%, 78%
CMY	0.3252, 0.6903, 0.2196
CMYK	0.14, 0.60, 0.00, 0.22
HSL	287°, 52%, 55%
HSV	287°, 60%, 78%
XYZ	30.1311, 18.4888, 56.0094
YIQ	120.4870, 16.9080, 57.0360

Conversions

Conversions Part 2

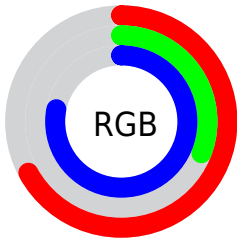
Format	Color
R _Y B	172, 79, 199
Decimal	11292615
CIE Lab	50.08, 56.08, -46.31
CIE LCh	50, 72.734, 320.451
Yxy	18.4888, 0.2880, 0.1767
Android (android.graphics.Color)	4289482695 (0xFFAC4FC7)
YUV	120.4870, 38.7069, 45.1769
Hunter-Lab	42.9986, 49.8355, -47.1314

Details

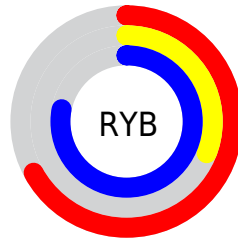
The YIQ color $120.4870, 16.9080, 57.0360$ is a dark color, and the websafe version is hex $CC66CC$. The color can be described as middle muted purple. A complement of this color would be $157.5130, -16.9080, -57.0360$, and the grayscale version is $120.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $175.9110, 18.6500, 58.5060$, and $62.8400, 17.4120, 58.9160$ is the 20% darker color. If you saturate the color by 10%, you get $107.5510, 20.0240, 66.6480$, and if you desaturate by 10%, it is $133.7220, 14.3880, 47.6360$.

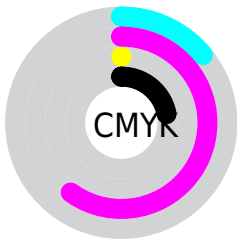
Distribution



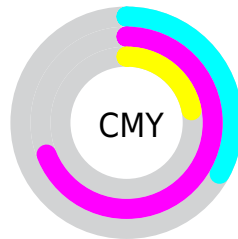
- Red (67%)
- Green (31%)
- Blue (78%)



- Red (67%)
- Yellow (31%)
- Blue (78%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 120.4870, 16.9080, 57.0360 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 120.4870, 16.9080, 57.0360 by changing the saturation by 10% instead.

120.4870, 16.9080,
57.0360

120.4870, 16.9080,
57.0360

255.0000, -0.0000,
-0.0000

93.0740, 16.6330,
56.5130

175.9110, 18.6500,
58.5060

62.8400, 17.4120,
58.9160

199.2350, 26.1250,
49.6850

40.0630, 15.1660,
55.5660

216.2580, 18.1500,
34.5180

29.1400, 7.0990,
42.0670

232.6940, 10.4500,
19.8740

19.8260, 1.6910,
29.9390

249.7170, 2.4750,
4.7070

5.1300, -14.4450,
13.9950

3.2090, -7.6580,

6.6300

■ 0.0000, 0.0000,
0.0000

■ 120.4870, 16.9080,
57.0360

■ 120.4870, 16.9080,
57.0360

■ 107.5510, 20.0240,
66.6480

■ 133.7220, 14.3880,
47.6360

■ 94.3160, 22.5440,
76.0480

■ 146.6580, 11.2720,
38.0240

■ 81.3800, 25.6600,
85.6600

■ 159.5940, 8.1560,
28.4120

■ 68.7320, 27.9050,
94.5370

■ 172.8290, 5.6360,
19.0120

■ 185.1780, 2.7950,
9.9230

■ 198.4130, 0.2750,
0.5230

■ 211.3490, -2.8410,
-9.0890

■ 224.5840, -5.3610,
-18.4890

■ 235.7590, -7.6520,
-26.5320

Harmonies

Analogous

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



110.1040, -72.3090, 27.4270



120.4870, 16.9080, 57.0360



106.3120, 71.9250, 67.6770

Triad

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



120.4870, 16.9080, 57.0360



112.1220, 65.9810, -22.8750



104.0560, -91.8310, -26.2870

Complementary

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



120.4870, 16.9080, 57.0360



157.5130, -16.9080, -57.0360

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.



96.1730, -71.0120, -45.6680



120.4870, 16.9080, 57.0360



106.8190, 26.5090, -45.4190

Square

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



120.4870, 16.9080, 57.0360



109.5950, 93.5310, 6.4830



85.3720, -47.4880, -64.5120



108.3370, -108.0190, -8.2350

Rectangle

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



120.4870, 16.9080, 57.0360



101.2800, 92.1460, 59.1380



85.3720, -47.4880, -64.5120



101.6620, -85.0900, -32.8180

Sweetspot

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



120.4870, 16.9080, 57.0360



225.0080, 6.6900, 21.9380



109.1160, -46.2200, 22.6760



108.8840, 3.8030, 13.6830



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.



120.4870, 16.9080, 57.0360



134.7330, 26.1640, 87.5400



124.9120, 43.2720, 52.8080



93.1190, 1.2830, 4.2830



56.5550, 23.3690, 77.6170



12.4760, 5.1320, 17.1320

Inverse Universe

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



117.9580, 62.8530, 33.8370



130.8040, 96.1820, 52.0700



153.0880, -43.2720, -52.8080



92.9190, 4.7220, 2.5300



52.9550, 85.2710, 46.0630



11.6760, 18.8880, 10.1200

Previews

White Background



This preview shows how the YIQ color 120.4870, 16.9080, 57.0360 looks on a white background.

Color Contrast Check

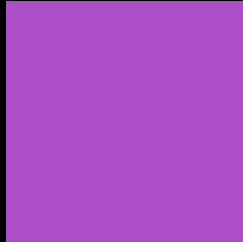
Large Text (above 18pt) WCAG AA ✓ Pass

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 120.4870, 16.9080, 57.0360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

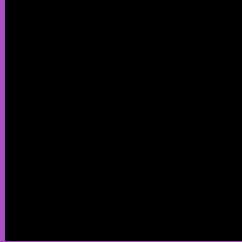
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.4870, 16.9080, 57.0360

Background



This preview shows how black text looks on a background with the YIQ color 120.4870, 16.9080, 57.0360.



This preview shows how white text looks on a background with the YIQ color 120.4870, 16.9080,

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

120.4870, 16.9080, 57.0360

Protanopia

108.3370, -80.5150, 21.9570

Deuteranopia

115.6500, -48.1440, 13.4880



Tritanopia

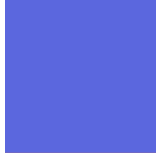
121.5420, 31.1290, 14.0490

Trichromacy



Original Color

120.4870, 16.9080, 57.0360



Protanomaly

112.9780, -45.3510, 34.4650



Deuteranomaly

117.3530, -24.7180, 29.4740



Tritanomaly

121.1030, 25.7160, 29.5560

Monochromacy



Original Color

120.4870, 16.9080, 57.0360



Achromatopsia

120.0000, -0.0000, -0.0000



Achromatomaly

120.1820, 6.1400, 20.8920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.4870, 16.9080, 57.0360 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(172, 79, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 199)  
}
```

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(172, 79, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 199) }
```

Border

The CSS property to change the border of an element to YIQ 120.4870, 16.9080, 57.0360 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(172, 79, 199) }
```


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

```
.border{ border-color:rgb(172, 79, 199) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
199) }
```

Background

The CSS property to change the background color of an element to YIQ 120.4870, 16.9080, 57.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 199) }
```

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

```
.background{ background-color: rgb(172, 79,  
199) }
```

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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