

Converting Colors

YIQ(121.5470, 16.6790, 55.6790)

Have a look what the booklet for
YIQ(121.5470, 16.6790, 55.6790)
contains.

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Color

**YIQ(121.5470, 16.6790,
55.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	AC51C6
RGB	172, 81, 198
RGB Percent	67%, 32%, 78%
CMY	0.3252, 0.6825, 0.2236
CMYK	0.13, 0.59, 0.00, 0.22
HSL	287°, 51%, 55%
HSV	287°, 59%, 78%
XYZ	30.1614, 18.7352, 55.4489
YIQ	121.5470, 16.6790, 55.6790

Conversions

Conversions Part 2

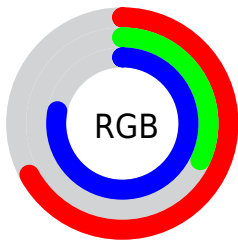
Format	Color
R_{YB}	172, 81, 198
Decimal	11293126
CIE _{Lab}	50.38, 54.94, -45.27
CIE _{LCh}	50, 71.189, 320.510
Yxy	18.7352, 0.2891, 0.1795
Android (android.graphics.Color)	4289483206 (0xFFAC51C6)
YUV	121.5470, 37.6913, 44.2473
Hunter-Lab	43.2841, 48.6357, -45.6542

Details

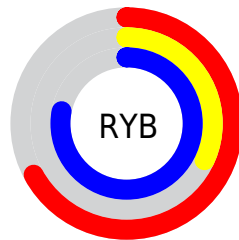
The YIQ color $121.5470, 16.6790, 55.6790$ is a light color, and the websafe version is hex $CC66CC$. The color can be described as light muted purple. A complement of this color would be $157.4530, -16.6790, -55.6790$, and the grayscale version is $121.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $177.0850, 18.1000, 57.4600$, and $65.0740, 16.6330, 56.5130$ is the 20% darker color. If you saturate the color by 10%, you get $108.6110, 19.7950, 65.2910$, and if you desaturate by 10%, it is $134.4830, 13.5630, 46.0670$.

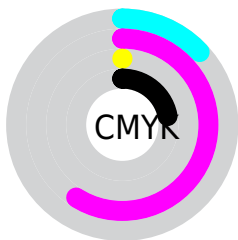
Distribution



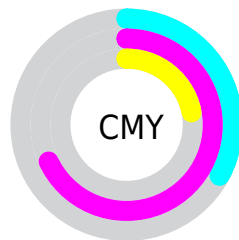
- Red (67%)
- Green (32%)
- Blue (78%)



- Red (67%)
- Yellow (32%)
- Blue (78%)



- Cyan (13%)
- Magenta (59%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (68%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 121.5470, 16.6790, 55.6790 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 121.5470, 16.6790, 55.6790 by changing the saturation by 10% instead.

121.5470, 16.6790,
55.6790

121.5470, 16.6790,
55.6790

255.0000, -0.0000,
-0.0000

94.1340, 16.4040,
55.1560

177.0850, 18.1000,
57.4600

65.3730, 17.2290,
56.7250

200.4090, 25.5750,
48.6390

39.9490, 15.4870,
55.2550

216.8450, 17.8750,
33.9950

29.3250, 8.0160,
41.9680

233.8680, 9.9000,
18.8280

19.7120, 2.0120,
29.6280

250.8910, 1.9250,
3.6610

5.1300, -14.4450,
13.9950

3.2090, -7.6580,

6.6300

■ 0.0000, 0.0000,
0.0000

■ 121.5470, 16.6790,
55.6790

■ 121.5470, 16.6790,
55.6790

■ 108.6110, 19.7950,
65.2910

■ 134.4830, 13.5630,
46.0670

■ 95.3760, 22.3150,
74.6910

■ 147.7180, 11.0430,
36.6670

■ 83.0270, 25.1560,
83.7800

■ 160.0670, 8.2020,
27.5780

■ 70.0910, 28.2720,
93.3920

■ 173.3020, 5.6820,
18.1780

■ 68.6180, 28.2260,
94.2260

■ 186.2380, 2.5660,
8.5660

■ 199.1740, -0.5500,
-1.0460

■ 212.4090, -3.0700,
-10.4460

■ 224.7580, -5.9110,
-19.5350

■ 235.6450, -7.3310,
-26.8430

Harmonies

Analogous

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



111.3710, -68.6870, 27.8650



121.5470, 16.6790, 55.6790



109.2470, 70.5500, 65.0620

Triad

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



121.5470, 16.6790, 55.6790



112.7090, 65.7060, -23.3980



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.



121.5470, 16.6790, 55.6790



157.4530, -16.6790, -55.6790

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.



96.2870, -71.3330, -45.3570



121.5470, 16.6790, 55.6790



107.4170, 27.7010, -44.9950

Square

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



121.5470, 16.6790, 55.6790



111.2250, 91.6970, 6.6810



85.8280, -48.7720, -63.2680



108.2230, -107.6980, -8.5460

Rectangle

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



121.5470, 16.6790, 55.6790



104.0300, 89.8540, 56.6220



85.8280, -48.7720, -63.2680



101.6620, -85.0900, -32.8180

Sweetspot

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



121.5470, 16.6790, 55.6790



225.0080, 6.6900, 21.9380



110.1870, -44.9820, 22.2660



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.



121.5470, 16.6790, 55.6790



136.7930, 25.9350, 86.1830



125.7870, 42.1260, 51.5500



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.



118.9470, 61.3860, 32.8900



132.6790, 95.0360, 50.8120



153.2130, -42.1260, -51.5500



92.9190, 4.7220, 2.5300



52.8410, 85.5920, 45.7520



11.6760, 18.8880, 10.1200

Previews

White Background



This preview shows how the YIQ color 121.5470, 16.6790, 55.6790 looks on a white background.

Color Contrast Check

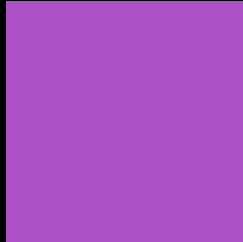
Large Text (above 18pt) WCAG AA ✓ Pass

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 121.5470, 16.6790, 55.6790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

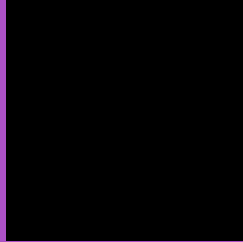
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 121.5470, 16.6790, 55.6790

Background



This preview shows how black text looks on a background with the YIQ color 121.5470, 16.6790, 55.6790.



This preview shows how white text looks on a background with the YIQ color 121.5470, 16.6790,

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

121.5470, 16.6790, 55.6790

Protanopia

110.3870, -74.7840, 22.7200

Deuteranopia

116.4330, -46.0350, 13.8130



Tritanopia

122.3570, 30.2120, 14.1480

Trichromacy



Original Color

121.5470, 16.6790, 55.6790

Protanomaly

114.2450, -41.7290, 34.9030

Deuteranomaly

118.4240, -23.4800, 29.0640

Tritanomaly

121.8040, 25.1200, 29.3440

Monochromacy



Original Color

121.5470, 16.6790, 55.6790

Achromatopsia

122.0000, 0.0000, -0.0000

Achromatomaly

121.7690, 5.8650, 20.3690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 121.5470, 16.6790, 55.6790 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, 81, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 81, 198)  
}
```

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, 81, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 81, 198) }
```

Border

The CSS property to change the border of an element to YIQ 121.5470, 16.6790, 55.6790 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, 81, 198) }
```


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

```
.border{ border-color:rgb(172, 81, 198) }
```

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

Here you see how a box with a 4 pixel rgb(172, 81, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 81, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 81, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 81,  
198) }
```

Background

The CSS property to change the background color of an element to YIQ 121.5470, 16.6790, 55.6790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 81, 198) }
```

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

```
.background{ background-color: rgb(172, 81,  
198) }
```

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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