

Converting Colors

YIQ(117.5970, -13.1210,
45.0790)

Have a look what the booklet for
YIQ(117.5970, -13.1210, 45.0790)
contains.

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Color

**YIQ(117.5970, -13.1210,
45.0790)**

Conversions

Conversions Part 1

Format	Color
Hex	855CD1
RGB	133, 92, 209
RGB Percent	52%, 36%, 82%
CMY	0.4782, 0.6393, 0.1805
CMYK	0.36, 0.56, 0.00, 0.18
HSL	261°, 56%, 59%
HSV	261°, 56%, 82%
XYZ	25.0095, 17.2431, 62.3081
YIQ	117.5970, -13.1210, 45.0790

Conversions

Conversions Part 2

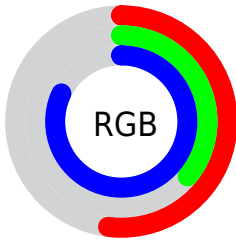
Format	Color
R_{YB}	133, 92, 209
Decimal	8740049
CIE _{Lab}	48.56, 42.10, -54.73
CIE _{LCh}	49, 69.048, 307.573
Yxy	17.2431, 0.2392, 0.1649
Android (android.graphics.Color)	4286930129 (0xFF855CD1)
YUV	117.5970, 45.0617, 13.5084
Hunter-Lab	41.5248, 34.8384, -59.8975

Details

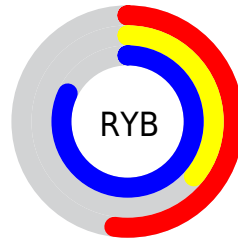
The YIQ color **117.5970, -13.1210, 45.0790** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **183.4030, 13.1210, -45.0790**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.4080, -8.2150, 44.2730**, and **65.8200, -15.3670, 41.7290** is the 20% darker color. If you saturate the color by 10%, you get **101.0840, -15.6900, 53.0940**, and if you desaturate by 10%, it is **134.1100, -10.5520, 37.0640**.

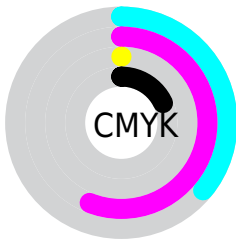
Distribution



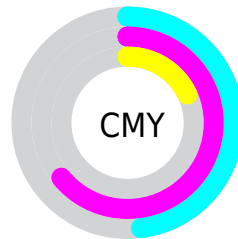
- Red (52%)
- Green (36%)
- Blue (82%)



- Red (52%)
- Yellow (36%)
- Blue (82%)



- Cyan (36%)
- Magenta (56%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (64%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.5970, -13.1210, 45.0790 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 117.5970, -13.1210, 45.0790 by changing the saturation by 10% instead.

■ 117.5970,
-13.1210, 45.0790

■ 117.5970,
-13.1210, 45.0790

■ 255.0000, -0.0000,
-0.0000

■ 91.3580, -13.9460,
43.5100

■ 170.4080, -8.2150,
44.2730

■ 65.8200, -15.3670,
41.7290

■ 194.3410, 1.9190,
36.8230

■ 39.9830, -17.3840,
39.7360

■ 219.4480, 11.5030,
28.3270

■ 14.5040, -26.4610,
33.5310

■ 237.9770, 7.9750,
15.1670

■ 8.7780, -24.7170,
23.9470

■ 8.9770, -18.3880,
13.8680

■ 4.7080, -10.5010,

8.5950

■ 0.1140, -0.3210,
0.3110

■ 0.0000, 0.0000,
0.0000

■ 117.5970,
-13.1210, 45.0790

■ 117.5970,
-13.1210, 45.0790

■ 101.0840,
-15.6900, 53.0940

■ 134.1100,
-10.5520, 37.0640

■ 84.8700, -17.6630,
61.3210

■ 150.3240, -8.5790,
28.8370

■ 68.3570, -20.2320,
69.3360

■ 166.8370, -6.0100,
20.8220

■ 52.1430, -22.2050,
77.5630

■ 183.0510, -4.0370,
12.5950

■ 45.6530, -23.5810,
80.4750

■ 198.9770, -1.1930,
5.1030

■ 215.1910, 0.7800,
-3.1240

■ 231.7040, 3.3490,
-11.1390

■ 245.8690, 7.0180,
-17.0620

■ 249.7560, 14.7660,
-14.3060

Harmonies

Analogous

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



95.7140, -106.9220, 10.4380



117.5970, -13.1210, 45.0790



111.2920, 48.3140, 60.5540

Triad

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



117.5970, -13.1210, 45.0790



108.3780, 77.3040, -13.3200



97.4730, -80.1840, -33.6240

Complementary

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



117.5970, -13.1210, 45.0790



183.4030, 13.1210, -45.0790

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.



88.7580, -59.7780, -51.0260



117.5970, -13.1210, 45.0790



106.9400, 42.6460, -35.0020

Square

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



117.5970, -13.1210, 45.0790



105.4060, 90.4100, 24.5060



95.1360, 0.3310, -55.5810



103.3840, -98.2060, -15.3740

Rectangle

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



117.5970, -13.1210, 45.0790



102.3630, 75.9150, 61.4430



95.1360, 0.3310, -55.5810



94.6060, -73.4890, -39.3210

Sweetspot

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



117.5970, -13.1210, 45.0790



221.3870, -4.8630, 16.5530



149.9500, -58.4570, -3.3610



107.6550, -2.9820, 9.9940



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.



117.5970, -13.1210, 45.0790



121.4340, -19.1310, 65.9010



134.9390, 21.4470, 57.3750



96.4500, -1.1470, 4.2690



36.7930, -18.7640, 64.7560



8.8600, -4.8170, 15.7190

Inverse Universe

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



135.6470, 45.3360, 48.4400



147.7830, 66.2850, 70.7730



166.0610, -21.4470, -57.3750



98.0870, 4.3090, 4.5090



62.6580, 65.1390, 69.5150



15.2230, 16.0900, 16.7780

Previews

White Background



This preview shows how the YIQ color 117.5970, -13.1210, 45.0790 looks on a white background.

Color Contrast Check

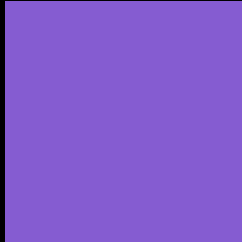
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 117.5970, -13.1210, 45.0790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

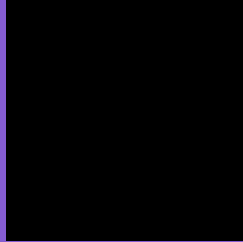
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.5970, -13.1210, 45.0790

Background



This preview shows how black text looks on a background with the YIQ color 117.5970, -13.1210, 45.0790.



This preview shows how white text looks on a background with the YIQ color 117.5970, -13.1210,

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

117.5970, -13.1210, 45.0790

Protanopia

102.6250, -81.3860, 21.2220

Deuteranopia

102.9980, -75.6070, 10.0970



Tritanopia

115.3250, -2.2930, 3.0110

Trichromacy



Original Color

117.5970, -13.1210, 45.0790

Protanomaly

108.1830, -56.3540, 30.1260

Deuteranomaly

108.4080, -52.9140, 22.8460

Tritanomaly

116.2560, -5.8720, 18.3200

Monochromacy



Original Color

117.5970, -13.1210, 45.0790

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9740, -5.1380, 16.0300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.5970, -13.1210, 45.0790 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(133, 92, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 92, 209)  
}
```

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(133, 92, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 92, 209) }
```

Border

The CSS property to change the border of an element to YIQ 117.5970, -13.1210, 45.0790 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(133, 92, 209) }
```


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

```
.border{ border-color:rgb(133, 92, 209) }
```

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

Here you see how a box with a 4 pixel rgb(133, 92, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 92, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 92, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 92,  
209) }
```

Background

The CSS property to change the background color of an element to YIQ 117.5970, -13.1210, 45.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 92, 209) }
```

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

```
.background{ background-color: rgb(133, 92,  
209) }
```

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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