

Converting Colors

YIQ(154.7780, 19.9820, 45.3740)

Have a look what the booklet for
YIQ(154.7780, 19.9820, 45.3740)
contains.

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Color

**YIQ(154.7780, 19.9820,
45.3740)**

Conversions

Conversions Part 1

Format	Color
Hex	CA78D2
RGB	202, 120, 210
RGB Percent	79%, 47%, 82%
CMY	0.2076, 0.5295, 0.1765
CMYK	0.04, 0.43, 0.00, 0.18
HSL	295°, 50%, 65%
HSV	295°, 43%, 82%
XYZ	42.7200, 30.6435, 64.6376
YIQ	154.7780, 19.9820, 45.3740

Conversions

Conversions Part 2

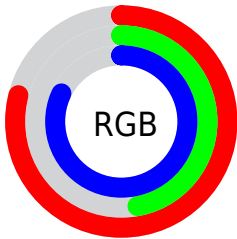
Format	Color
R _Y B	202, 120, 210
Decimal	13269202
CIE Lab	62.21, 45.91, -33.25
CIE LCh	62, 56.686, 324.085
Yxy	30.6435, 0.3096, 0.2221
Android (android.graphics.Color)	4291459282 (0xFFCA78D2)
YUV	154.7780, 27.2244, 41.4137
Hunter-Lab	55.3565, 40.8788, -30.4809

Details

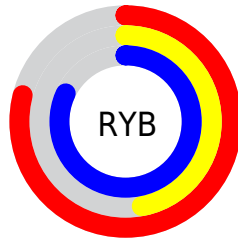
The YIQ color $154.7780, 19.9820, 45.3740$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $175.2220, -19.9820, -45.3740$, and the grayscale version is $154.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $207.4530, 22.2750, 42.3630$, and $101.2400, 18.5610, 43.5930$ is the 20% darker color. If you saturate the color by 10%, you get $141.8530, 24.5650, 55.9330$, and if you desaturate by 10%, it is $167.7030, 15.3990, 34.8150$.

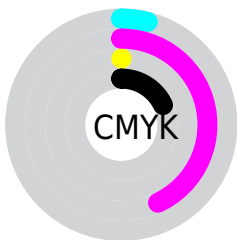
Distribution



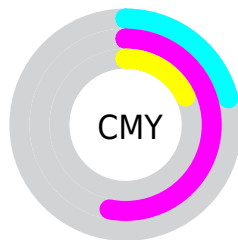
- Red (79%)
- Green (47%)
- Blue (82%)



- Red (79%)
- Yellow (47%)
- Blue (82%)



- Cyan (4%)
- Magenta (43%)
- Yellow (0%)
- Black (18%)



- Cyan (21%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 154.7780, 19.9820, 45.3740 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 154.7780, 19.9820, 45.3740 by changing the saturation by 10% instead.

154.7780, 19.9820,
45.3740

154.7780, 19.9820,
45.3740

255.0000, -0.0000,
-0.0000

127.9520, 19.4320,
44.3280

207.4530, 22.2750,
42.3630

101.2400, 18.5610,
43.5930

223.8890, 14.5750,
27.7190

74.9410, 17.9650,
43.3810

240.9120, 6.6000,
12.5520

46.5930, 19.0650,
45.4730

29.0390, 14.5730,
38.7730

19.5400, 8.2480,
26.7440

6.1540, -5.8250,

11.9590

■ 0.6840, -1.9260,
1.8660

■ 0.0000, 0.0000,
0.0000

■ 154.7780, 19.9820,
45.3740

■ 154.7780, 19.9820,
45.3740

■ 141.8530, 24.5650,
55.9330

■ 167.7030, 15.3990,
34.8150

■ 128.9280, 29.1480,
66.4920

■ 180.6280, 10.8160,
24.2560

■ 116.3020, 34.3270,
77.2630

■ 193.5530, 6.2330,
13.6970

■ 103.3770, 38.9100,
87.8220

■ 206.1790, 1.0540,
2.9260

90.4520, 43.4930,
98.3810

219.1040, -3.5290,
-7.6330

81.0490, 46.4260,
105.8020

232.0290, -8.1120,
-18.1920

237.9100, -9.3950,
-22.4750

238.5080, -8.2030,
-22.0510

239.1060, -7.0110,
-21.6270

Harmonies

Analogous

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



150.4210, -36.5930, 29.9270



154.7780, 19.9820, 45.3740



150.7810, 59.4580, 45.8100

Triad

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



154.7780, 19.9820, 45.3740



145.0440, 57.4530, -22.5070



123.7980, -108.8400, -31.9120

Complementary

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



154.7780, 19.9820, 45.3740



175.2220, -19.9820, -45.3740

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.



117.8700, -92.1480, -48.0840



154.7780, 19.9820, 45.3740



140.9960, 21.8770, -38.5630

Square

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



154.7780, 19.9820, 45.3740



147.6190, 75.7880, 3.1480



131.1760, -31.5360, -45.2320



126.1240, -120.9010, -17.0690

Rectangle

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



154.7780, 19.9820, 45.3740



148.9980, 74.5440, 36.7200



131.1760, -31.5360, -45.2320



122.4470, -103.6580, -37.7220

Sweetspot

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



154.7780, 19.9820, 45.3740



234.7320, 7.2870, 16.6230



135.5430, -31.3650, 23.2830



115.0750, 4.5830, 10.5590



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.



154.7780, 19.9820, 45.3740



175.4010, 29.1940, 65.6580



153.0660, 36.3060, 35.8740



98.2440, 2.4290, 5.5410



64.8990, 37.2600, 84.6840



15.7370, 8.8910, 20.5950

Inverse Universe

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



147.8220, 51.0720, 21.5680



165.1240, 73.9490, 30.9810



176.9340, -36.3060, -35.8740



97.4030, 6.2350, 2.6430



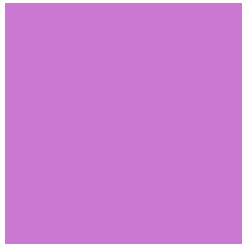
51.9420, 95.3130, 40.2810



12.7150, 23.1520, 9.9360

Previews

White Background



This preview shows how the YIQ color 154.7780, 19.9820, 45.3740 looks on a white background.

Color Contrast Check

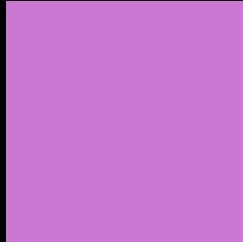
Large Text (above 18pt) WCAG AA × Fail

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 154.7780, 19.9820, 45.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

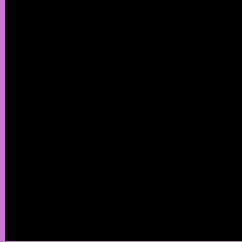
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 154.7780, 19.9820, 45.3740

Background



This preview shows how black text looks on a background with the YIQ color 154.7780, 19.9820, 45.3740.



This preview shows how white text looks on a background with the YIQ color 154.7780, 19.9820,

45.3740.

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

154.7780, 19.9820, 45.3740

Protanopia

149.3180, -43.9730, 20.4990

Deuteranopia

151.1980, -26.3200, 14.4480



Tritanopia

152.8950, 31.6330, 15.9290

Trichromacy



Original Color

154.7780, 19.9820, 45.3740



Protanomaly

151.5060, -20.7750, 29.6010



Deuteranomaly

152.1450, -9.6330, 25.9110



Tritanomaly

153.5930, 27.0920, 26.6440

Monochromacy



Original Color

154.7780, 19.9820, 45.3740



Achromatopsia

155.0000, -0.0000, 0.0000



Achromatomaly

154.7320, 7.2870, 16.6230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 154.7780, 19.9820, 45.3740 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(202, 120, 210)` looks like.

```
.text, #text, p{  
    color:rgb(202, 120, 210)  
}
```

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(202, 120, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 120, 210) }
```

Border

The CSS property to change the border of an element to YIQ 154.7780, 19.9820, 45.3740 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(202, 120, 210) }
```


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

```
.border{ border-color:rgb(202, 120, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 120, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 120, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 120, 210);  
box-shadow:4px 4px 4px 4px rgb(202, 120,  
210) }
```

Background

The CSS property to change the background color of an element to YIQ 154.7780, 19.9820, 45.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 120, 210) }
```

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

```
.background{ background-color: rgb(202,  
120, 210) }
```

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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