

Converting Colors

YIQ(159.7120, 20.3480, 49.7560)

Have a look what the booklet for
YIQ(159.7120, 20.3480, 49.7560)
contains.

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Color

**YIQ(159.7120, 20.3480,
49.7560)**

Conversions

Conversions Part 1

Format	Color
Hex	D27ADE
RGB	210, 122, 222
RGB Percent	82%, 48%, 87%
CMY	0.1762, 0.5217, 0.1294
CMYK	0.05, 0.45, 0.00, 0.13
HSL	293°, 60%, 67%
HSV	293°, 45%, 87%
XYZ	46.7380, 32.8958, 72.9940
YIQ	159.7120, 20.3480, 49.7560

Conversions

Conversions Part 2

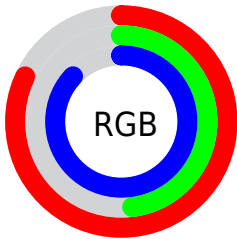
Format	Color
RYB	210, 122, 222
Decimal	13794014
CIELab	64.08, 49.49, -36.98
CIElCh	64, 61.782, 323.236
Yxy	32.8958, 0.3062, 0.2155
Android (android.graphics.Color)	4291984094 (0xFFD27ADE)
YUV	159.7120, 30.7080, 44.1026
Hunter-Lab	57.3549, 45.0871, -35.3083

Details

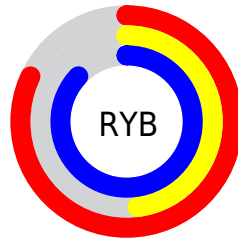
The YIQ color **159.7120, 20.3480, 49.7560** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **184.2880, -20.3480, -49.7560**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **209.2140, 21.4500, 40.7940**, and **105.1740, 18.9270, 47.9750** is the 20% darker color. If you saturate the color by 10%, you get **145.9010, 24.6100, 60.6260**, and if you desaturate by 10%, it is **173.5230, 16.0860, 38.8860**.

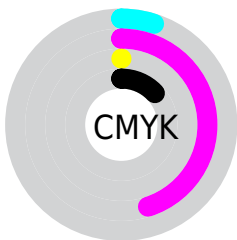
Distribution



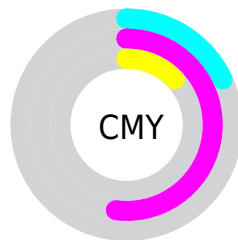
- Red (82%)
- Green (48%)
- Blue (87%)



- Red (82%)
- Yellow (48%)
- Blue (87%)



- Cyan (5%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (18%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.7120, 20.3480, 49.7560 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 159.7120, 20.3480, 49.7560 by changing the saturation by 10% instead.

159.7120, 20.3480,
49.7560

159.7120, 20.3480,
49.7560

255.0000, -0.0000,
-0.0000

132.2990, 20.0730,
49.2330

209.2140, 21.4500,
40.7940

105.4730, 19.5230,
48.1870

225.6500, 13.7500,
26.1500

78.8750, 18.3310,
47.7630

242.6730, 5.7750,
10.9830

49.0540, 19.3850,
50.6890

31.9730, 14.9390,
43.1550

22.0610, 8.3390,
30.6030

11.3660, -0.3700,

17.7260

■ 2.8670, -6.6950,
5.6970

■ 0.0000, 0.0000,
0.0000

■ 159.7120, 20.3480,
49.7560

■ 159.7120, 20.3480,
49.7560

■ 145.9010, 24.6100,
60.6260

■ 173.5230, 16.0860,
38.8860

■ 132.3890, 29.4680,
71.7080

■ 187.0350, 11.2280,
27.8040

■ 117.9910, 34.0050,
83.1010

■ 201.4330, 6.6910,
16.4110

■ 104.1800, 38.2670,
93.9710

■ 215.2440, 2.4290,
5.5410

90.6680, 43.1250,
105.0530

228.7560, -2.4290,
-5.5410

83.9120, 45.5540,
110.5940

242.5670, -6.6910,
-16.4110

243.4640, -4.9030,
-15.7750

244.0620, -3.7110,
-15.3510

244.9590, -1.9230,
-14.7150

Harmonies

Analogous

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



154.5390, -42.7370, 31.1430



159.7120, 20.3480, 49.7560



154.5800, 64.6380, 51.0540

Triad

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



159.7120, 20.3480, 49.7560



148.7580, 64.0100, -25.7020



128.7050, -113.0120, -33.3960

Complementary

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



159.7120, 20.3480, 49.7560



184.2880, -20.3480, -49.7560

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.



122.3210, -95.0360, -50.8120



159.7120, 20.3480, 49.7560



144.2150, 25.4540, -42.8180

Square

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



159.7120, 20.3480, 49.7560



151.5660, 83.3070, 4.5470



134.0460, -34.2860, -50.4620



131.6010, -126.6780, -16.9980

Rectangle

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



159.7120, 20.3480, 49.7560



152.4550, 80.6870, 41.0310



134.0460, -34.2860, -50.4620



127.2400, -107.5090, -39.5170

Sweetspot

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



159.7120, 20.3480, 49.7560



232.6720, 7.5160, 17.9800



141.0310, -35.6750, 24.3010



114.1890, 4.2620, 10.8700



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.



159.7120, 20.3480, 49.7560



169.2100, 28.4140, 68.7820



159.0820, 39.3770, 40.7930



105.2440, 2.4290, 5.5410



66.4090, 35.8840, 87.5960



18.3290, 10.2200, 24.0440

Inverse Universe

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



153.2680, 55.7480, 24.9320



160.2000, 76.7910, 34.5430



184.9180, -39.3770, -40.7930



104.4030, 6.2350, 2.6430



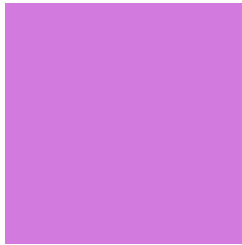
55.0180, 98.1550, 43.8430



15.0360, 26.6820, 12.0420

Previews

White Background



This preview shows how the YIQ color 159.7120, 20.3480, 49.7560 looks on a white background.

Color Contrast Check

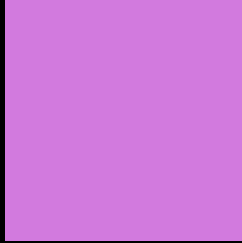
Large Text (above 18pt) WCAG AA × Fail

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 159.7120, 20.3480, 49.7560 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 159.7120, 20.3480, 49.7560

Background



This preview shows how black text looks on a background with the YIQ color 159.7120, 20.3480, 49.7560.



This preview shows how white text looks on a background with the YIQ color 159.7120, 20.3480,

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

159.7120, 20.3480, 49.7560

Protanopia

153.9630, -50.1630, 22.5490

Deuteranopia

155.3870, -31.2260, 15.2540



Tritanopia

158.3790, 33.1460, 16.0420

Trichromacy



Original Color

159.7120, 20.3480, 49.7560



Protanomaly

156.3470, -24.5810, 32.4990



Deuteranomaly

156.6440, -12.4760, 27.8760



Tritanomaly

159.1310, 28.5130, 28.4250

Monochromacy



Original Color

159.7120, 20.3480, 49.7560



Achromatopsia

160.0000, 0.0000, -0.0000



Achromatomaly

159.7860, 7.1950, 18.2910

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.7120, 20.3480, 49.7560 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(210, 122, 222)` looks like.

```
.text, #text, p{  
    color:rgb(210, 122, 222)  
}
```

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(210, 122, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 122, 222) }
```

Border

The CSS property to change the border of an element to YIQ 159.7120, 20.3480, 49.7560 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(210, 122, 222) }
```


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

```
.border{ border-color:rgb(210, 122, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 122, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 122, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 122, 222);  
box-shadow:4px 4px 4px 4px rgb(210, 122,  
222) }
```

Background

The CSS property to change the background color of an element to YIQ 159.7120, 20.3480, 49.7560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 122, 222) }
```

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

```
.background{ background-color: rgb(210,  
122, 222) }
```

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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