

# Converting Colors

YIQ(161.9510, 20.0320, 22.4320)

Have a look what the booklet for  
YIQ(161.9510, 20.0320, 22.4320)  
contains.

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# Color

**YIQ(161.9510, 20.0320,  
22.4320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C38EB2
RGB	195, 142, 178
RGB Percent	76%, 56%, 70%
CMY	0.2351, 0.4432, 0.3019
CMYK	0.00, 0.27, 0.09, 0.24
HSL	319°, 31%, 66%
HSV	319°, 27%, 76%
XYZ	40.2224, 34.1614, 46.6003
YIQ	161.9510, 20.0320, 22.4320

# Conversions

## Conversions Part 2

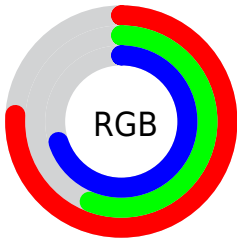
Format	Color
<a href="#">RYB</a>	<a href="#">195, 142, 178</a>
Decimal	<a href="#">12816050</a>
CIELab	<a href="#">65.09, 25.86, -10.91</a>
CIELCh	<a href="#">65, 28.066, 337.126</a>
Yxy	<a href="#">34.1614, 0.3325, 0.2824</a>
Android (android.graphics.Color)	<a href="#">4291006130</a> ( <a href="#">0xFFC38EB2</a> )
YUV	<a href="#">161.9510, 7.9122, 28.9840</a>
Hunter-Lab	<a href="#">58.4478, 20.5558, -6.3583</a>

# Details

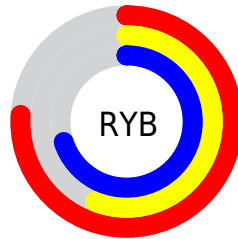
The YIQ color **161.9510, 20.0320, 22.4320** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **175.0490, -20.0320, -22.4320**, and the grayscale version is **162.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **217.0760, 21.1780, 23.6900**, and **109.8260, 18.8860, 21.1740** is the 20% darker color. If you saturate the color by 10%, you get **149.5270, 27.4580, 31.0260**, and if you desaturate by 10%, it is **173.7880, 12.8810, 14.3610**.

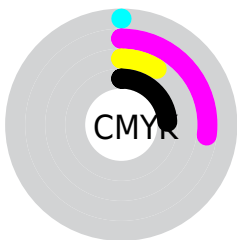
# Distribution



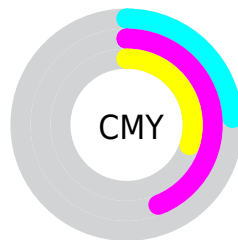
- Red (76%)
- Green (56%)
- Blue (70%)



- Red (76%)
- Yellow (56%)
- Blue (70%)



- Cyan (0%)
- Magenta (27%)
- Yellow (9%)
- Black (24%)




- Cyan (24%)
- Magenta (44%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 161.9510, 20.0320, 22.4320 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 161.9510, 20.0320, 22.4320 by changing the saturation by 10% instead.




 161.9510, 20.0320,  
22.4320

 161.9510, 20.0320,  
22.4320


255.0000, -0.0000,  
-0.0000


 135.2390, 19.1610,  
21.6970


 217.0760, 21.1780,  
23.6900


 109.8260, 18.8860,  
21.1740


 236.8030, 8.5250,  
16.2130

 85.1140, 18.0150,  
20.4390

 253.8260, 0.5500,  
1.0460

 61.1030, 16.5480,  
19.4920

 37.9180, 15.6310,  
19.5910

 16.2060, 14.7600,  
18.8560

 3.3750, 3.4380,

3.7740

0.0000, 0.0000,  
0.0000

161.9510, 20.0320,  
22.4320

161.9510, 20.0320,  
22.4320

149.5270, 27.4580,  
31.0260

173.7880, 12.8810,  
14.3610

137.5760, 34.9300,  
38.7860

186.3260, 5.1340,  
6.0780

125.1520, 42.3560,  
47.3800

198.1630, -2.0170,  
-1.9930

113.3150, 49.5070,  
55.4510

210.5870, -9.4430,  
-10.5870

100.8910, 56.9330,  
64.0450

223.0110,  
-16.8690, -19.1810

■ 88.9400, 64.4050,  
71.8050

■ 232.6140,  
-23.2410, -24.8490

■ 76.5160, 71.8310,  
80.3990

■ 233.2980,  
-25.1670, -22.9830

■ 73.3530, 73.8480,  
82.3920

■ 233.9820,  
-27.0930, -21.1170

■ 234.6660,  
-29.0190, -19.2510

# Harmonies

## Analogous

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



160.5660, -3.8090, 19.4790



161.9510, 20.0320, 22.4320



160.9280, 36.0340, 18.7700

# Triad

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



161.9510, 20.0320, 22.4320



155.8880, 23.2020, -13.0060



144.4300, -60.2890, -14.2170

# Complementary

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



161.9510, 20.0320, 22.4320



175.0490, -20.0320, -22.4320

# 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.



145.5590, -47.7710, -20.8190



161.9510, 20.0320, 22.4320



153.2380, 1.4250, -20.3270

# Square

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



161.9510, 20.0320, 22.4320



158.2260, 37.2300, -2.9140



149.3090, -23.7000, -22.0360



150.0000, -52.7260, -2.5980



# Rectangle

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



161.9510, 20.0320, 22.4320



160.4630, 41.5370, 12.6490



149.3090, -23.7000, -22.0360



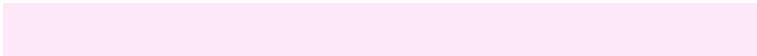
144.2190, -58.3170, -16.9170

# Sweetspot

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



161.9510, 20.0320, 22.4320



239.5760, 7.4260, 8.5940



153.1250, -6.8810, 20.0870



119.7990, 5.1800, 5.2440



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.



161.9510, 20.0320, 22.4320



200.3150, 31.1710, 35.3230



158.9870, 28.3780, 14.3460



90.7880, 3.7130, 4.2970



60.5650, 60.9670, 68.0310



12.4890, 12.2850, 14.1490



# Inverse Universe

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



161.9510, 20.0320, 22.4320



200.3150, 31.1710, 35.3230



178.0130, -28.3780, -14.3460



90.7880, 3.7130, 4.2970



60.5650, 60.9670, 68.0310



12.4890, 12.2850, 14.1490



# Previews

## White Background



This preview shows how the YIQ color 161.9510, 20.0320, 22.4320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

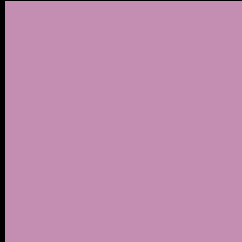
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 161.9510, 20.0320, 22.4320 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 161.9510, 20.0320, 22.4320

## Background



This preview shows how black text looks on a background with the YIQ color 161.9510, 20.0320, 22.4320.



This preview shows how white text looks on a background with the YIQ color 161.9510, 20.0320,



# 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

161.9510, 20.0320, 22.4320

### Protanopia

159.0390, -12.9310, 8.5810

### Deuteranopia

160.0960, 0.0900, 9.3860



## Tritanopia

161.0080, 23.8850, 13.1730

# Trichromacy



## Original Color

161.9510, 20.0320, 22.4320

## Protanomaly

160.4320, -0.7360, 13.3440

## Deuteranomaly

161.1510, 7.4250, 14.1210

## Tritanomaly

161.6320, 22.1880, 16.3960

# Monochromacy



## Original Color

161.9510, 20.0320, 22.4320

## Achromatopsia

162.0000, -0.0000, 0.0000

## Achromatomaly

162.1630, 7.1510, 8.0710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 161.9510, 20.0320, 22.4320 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(195, 142, 178)` looks like.

```
.text, #text, p{  
    color:rgb(195, 142, 178)  
}
```

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(195, 142, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 142, 178) }
```

## Border

The CSS property to change the border of an element to YIQ 161.9510, 20.0320, 22.4320 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(195, 142, 178) }
```



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

```
.border{ border-color:rgb(195, 142, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 142, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 142, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 142, 178);  
box-shadow:4px 4px 4px 4px rgb(195, 142,  
178) }
```

# Background

The CSS property to change the background color of an element to YIQ 161.9510, 20.0320, 22.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 142, 178) }
```

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

```
.background{ background-color: rgb(195,  
142, 178) }
```

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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