

# Converting Colors

YIQ(177.7510, 24.6120, 49.5720)

Have a look what the booklet for  
YIQ(177.7510, 24.6120, 49.5720)  
contains.

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# Color

**YIQ(177.7510, 24.6120,  
49.5720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E88BEB
RGB	232, 139, 235
RGB Percent	91%, 55%, 92%
CMY	0.0899, 0.4550, 0.0784
CMYK	0.01, 0.41, 0.00, 0.08
HSL	298°, 71%, 73%
HSV	298°, 41%, 92%
XYZ	57.5252, 41.6203, 83.6034
YIQ	177.7510, 24.6120, 49.5720

# Conversions

## Conversions Part 2

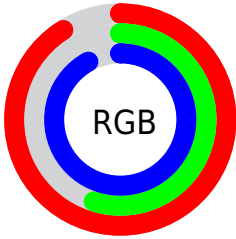
Format	Color
R <sub>Y</sub> B	232, 139, 235
Decimal	15240171
CIE Lab	70.61, 49.63, -33.82
CIE LCh	71, 60.052, 325.729
Yxy	41.6203, 0.3148, 0.2277
Android (android.graphics.Color)	4293430251 (0xFFE88BEB)
YUV	177.7510, 28.2238, 47.5764
Hunter-Lab	64.5138, 46.2646, -31.6742

# Details

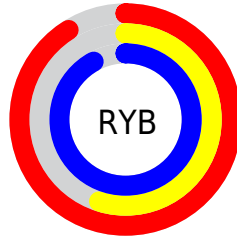
The YIQ color **177.7510, 24.6120, 49.5720** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **196.2490, -24.6120, -49.5720**, and the grayscale version is **177.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **219.1930, 16.7750, 31.9030**, and **123.2130, 23.1910, 47.7910** is the 20% darker color. If you saturate the color by 10%, you get **163.3640, 30.6160, 61.9120**, and if you desaturate by 10%, it is **191.5510, 18.8830, 37.7550**.

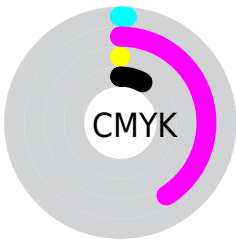
# Distribution



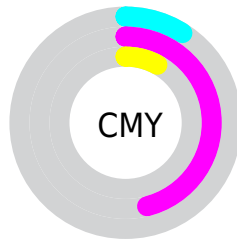
- Red (91%)
- Green (55%)
- Blue (92%)



- Red (91%)
- Yellow (55%)
- Blue (92%)



- Cyan (1%)
- Magenta (41%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (46%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.7510, 24.6120, 49.5720 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 177.7510, 24.6120, 49.5720 by changing the saturation by 10% instead.



177.7510, 24.6120,  
49.5720

177.7510, 24.6120,  
49.5720

255.0000, -0.0000,  
-0.0000

150.0390, 23.7410,  
48.8370

219.1930, 16.7750,  
31.9030

123.2130, 23.1910,  
47.7910

236.2160, 8.8000,  
16.7360

95.9140, 22.5950,  
47.5790

253.2390, 0.8250,  
1.5690

69.0280, 22.2740,  
47.8900

39.2070, 23.3280,  
50.8160

28.6970, 15.5360,  
37.8400

19.4970, 9.8070,

26.0230

■ 4.4310, -8.1630,  
10.2770

■ 0.1140, -0.3210,  
0.3110

■ 177.7510, 24.6120,  
49.5720

■ 177.7510, 24.6120,  
49.5720

■ 163.3640, 30.6160,  
61.9120

■ 191.5510, 18.8830,  
37.7550

■ 149.8630, 36.9410,  
73.9410

■ 205.9380, 12.8790,  
25.4150

■ 135.4760, 42.9450,  
86.2810

■ 219.4390, 6.5540,  
13.3860

■ 121.6760, 48.6740,  
98.0980

■ 233.8260, 0.5500,  
1.0460

107.2890, 54.6780,  
110.4380

247.0390, -4.9040,  
-10.2480

94.9620, 60.4530,  
121.4210

247.3380, -4.3080,  
-10.0360

247.6370, -3.7120,  
-9.8240

247.9360, -3.1160,  
-9.6120

# Harmonies

## Analogous

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



172.3030, -30.4490, 28.7110



177.7510, 24.6120, 49.5720



169.8950, 59.1370, 46.1210

# Triad

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



177.7510, 24.6120, 49.5720



167.0180, 60.3420, -25.3060



141.7790, -125.0240, -35.9680

# Complementary

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



177.7510, 24.6120, 49.5720



196.2490, -24.6120, -49.5720

# 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.



135.3950, -107.0480, -53.3840



177.7510, 24.6120, 49.5720



162.4040, 20.5480, -42.0120

# Square

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



177.7510, 24.6120, 49.5720



169.9140, 82.2070, 2.4550



151.6050, -37.3580, -49.8540



142.9480, -135.2050, -22.1570



# Rectangle

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



177.7510, 24.6120, 49.5720



166.2640, 70.7390, 34.0910



151.6050, -37.3580, -49.8540



140.3140, -119.5210, -42.0890

# Sweetspot

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



177.7510, 24.6120, 49.5720



236.5040, 7.9290, 16.0010



151.7050, -31.6410, 28.2870



117.1350, 4.3540, 9.2020



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.



177.7510, 24.6120, 49.5720



180.4290, 31.9910, 64.5270



173.5180, 40.8450, 36.2130



110.5430, 3.0250, 5.7530



73.2580, 46.7950, 93.6030



21.7040, 13.6580, 27.8180



# Inverse Universe

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



168.0460, 56.2530, 21.2850



167.8310, 73.2160, 27.7440



200.4820, -40.8450, -36.2130



109.2890, 6.5560, 2.3320



54.8030, 105.9500, 40.2380

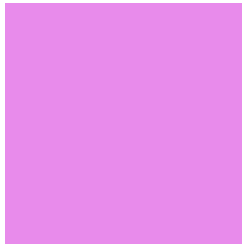


16.3740, 31.5420, 12.0700



# Previews

## White Background



This preview shows how the YIQ color 177.7510, 24.6120, 49.5720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

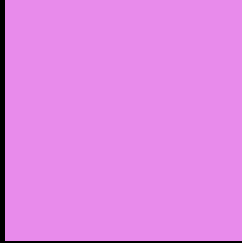
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 177.7510, 24.6120, 49.5720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

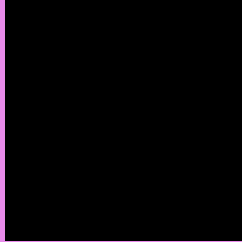
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 177.7510, 24.6120, 49.5720

## Background



This preview shows how black text looks on a background with the YIQ color 177.7510, 24.6120, 49.5720.



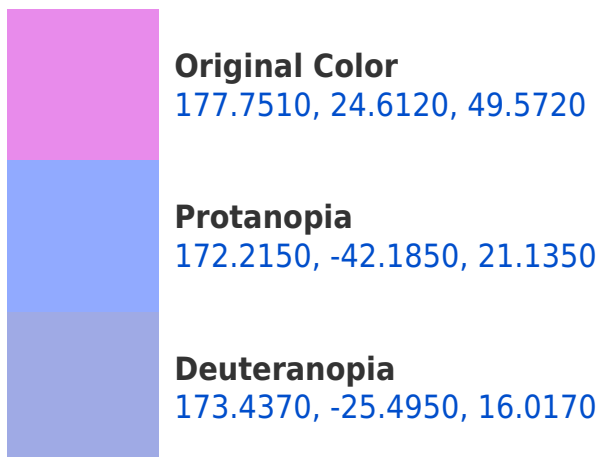
This preview shows how white text looks on a background with the YIQ color 177.7510, 24.6120,

49.5720.

# 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





## Tritanopia

175.9990, 37.2720, 18.3600

# Trichromacy



## Original Color

177.7510, 24.6120, 49.5720



## Protanomaly

174.5280, -17.8410, 31.4950



## Deuteranomaly

175.2810, -7.0200, 28.1160



## Tritanomaly

176.8110, 32.4100, 29.3860

# Monochromacy



## Original Color

177.7510, 24.6120, 49.5720



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

178.1560, 9.0290, 18.0930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.7510, 24.6120, 49.5720 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(232, 139, 235)` looks like.

```
.text, #text, p{  
    color:rgb(232, 139, 235)  
}
```

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(232, 139, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 139, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 177.7510, 24.6120, 49.5720 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(232, 139, 235) }
```



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

```
.border{ border-color:rgb(232, 139, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 139, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 139, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 139, 235);  
box-shadow:4px 4px 4px 4px rgb(232, 139,  
235) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.7510, 24.6120, 49.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 139, 235) }
```

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

```
.background{ background-color: rgb(232,  
139, 235) }
```

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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