

# Converting Colors

YIQ(228.1720, 2.9320, 12.9480)

Have a look what the booklet for  
YIQ(228.1720, 2.9320, 12.9480)  
contains.

<b>YIQ(228.1720, 2.9320, 12.9480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(228.1720, 2.9320,  
12.9480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFDBF7
RGB	239, 219, 247
RGB Percent	94%, 86%, 97%
CMY	0.0627, 0.1412, 0.0314
CMYK	0.03, 0.11, 0.00, 0.03
HSL	283°, 64%, 91%
HSV	283°, 11%, 97%
XYZ	77.7197, 75.7275, 98.5142
YIQ	228.1720, 2.9320, 12.9480

# Conversions

## Conversions Part 2

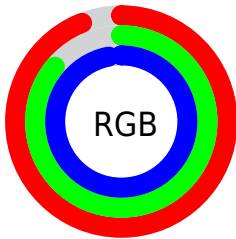
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 219, 247
Decimal	15719415
CIE <sub>Lab</sub>	89.73, 11.81, -11.14
CIE <sub>LCh</sub>	90, 16.237, 316.676
Y <sub>xy</sub>	75.7275, 0.3085, 0.3006
Android (android.graphics.Color)	4293909495 (0xFFEFDBF7)
Y <sub>UV</sub>	228.1720, 9.2822, 9.4962
Hunter-Lab	87.0216, 7.1320, -6.2051

# Details

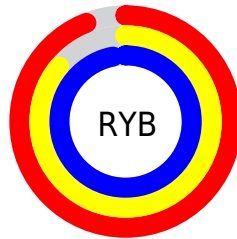
The YIQ color  $228.1720, 2.9320, 12.9480$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $237.8280, -2.9320, -12.9480$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $172.7590, 2.6570, 12.4250$  is the 20% darker color. If you saturate the color by 10%, you get  $211.4040, 5.6350, 24.5390$ , and if you desaturate by 10%, it is  $244.9400, 0.2290, 1.3570$ .

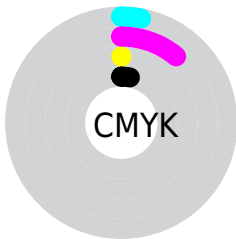
# Distribution



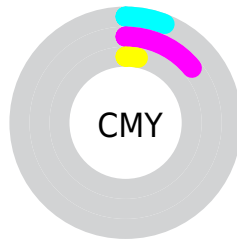
- Red (94%)
- Green (86%)
- Blue (97%)



- Red (94%)
- Yellow (86%)
- Blue (97%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (6%)
- Magenta (14%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.1720, 2.9320, 12.9480 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 228.1720, 2.9320, 12.9480 by changing the saturation by 10% instead.



228.1720, 2.9320,  
12.9480

228.1720, 2.9320,  
12.9480

255.0000, -0.0000,  
-0.0000

200.0580, 3.2530,  
12.6370

172.7590, 2.6570,  
12.4250

146.3460, 2.3820,  
11.9020

120.2320, 2.7030,  
11.5910

95.8190, 2.4280,  
11.0680

71.4060, 2.1530,  
10.5450

48.9930, 1.8780,

10.0220

■ 28.1670, 1.3280,  
8.9760

■ 6.9930, 1.8780,  
10.0220

■ 228.1720, 2.9320,  
12.9480

■ 228.1720, 2.9320,  
12.9480

■ 211.4040, 5.6350,  
24.5390

■ 244.9400, 0.2290,  
1.3570

■ 195.2230, 8.0630,  
35.6070

■ 253.4900, 1.3760,  
-2.9120

■ 178.4550, 10.7660,  
47.1980

■ 254.0880, 2.5680,  
-2.4880

■ 161.6870, 13.4690,  
58.7890

■ 144.9190, 16.1720,  
70.3800

■ 128.7380, 18.6000,  
81.4480

■ 111.9700, 21.3030,  
93.0390

■ 95.2020, 24.0060,  
104.6300

■ 81.0810, 26.2050,  
114.3410

# Harmonies

## Analogous

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



226.3380, -12.3350, 8.7930



228.1720, 2.9320, 12.9480



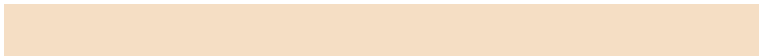
229.0010, 16.5950, 13.1310

# Triad

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



228.1720, 2.9320, 12.9480



225.9130, 22.0540, -3.2100



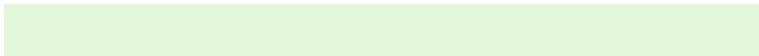
220.5340, -28.2870, -10.4870

# Complementary

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



228.1720, 2.9320, 12.9480



237.8280, -2.9320, -12.9480

# 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.



220.5150, -18.1080, -13.2440



228.1720, 2.9320, 12.9480



224.0640, 11.1430, -9.2170

# Square

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



228.1720, 2.9320, 12.9480



227.4670, 26.5460, 3.4900



222.5290, -3.5280, -13.1600



221.2550, -31.6350, -4.8750



# Rectangle

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



228.1720, 2.9320, 12.9480



227.8720, 21.2720, 10.9680



222.5290, -3.5280, -13.1600



220.2630, -26.0860, -11.8300

# Sweetspot

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



228.1720, 2.9320, 12.9480



249.7060, 1.0080, 3.7600



226.8880, -11.1880, 4.5240



123.8800, 0.4580, 2.7140



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.



228.1720, 2.9320, 12.9480



230.8780, 3.9400, 16.7080



229.8800, 9.6260, 12.7780



114.0590, 1.5120, 5.6400



60.9710, 19.5620, 86.0420



19.2840, 6.0930, 27.2530



# Inverse Universe

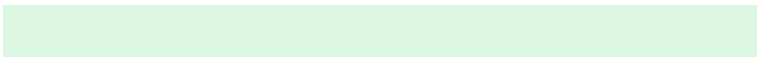
The Inverse Universe completely reimagines the original color for something new.



228.2840, 14.1200, 8.4240



230.9040, 18.2460, 10.7420



236.1200, -9.6260, -12.7780



114.0440, 5.8680, 3.7880



61.6560, 93.8430, 55.9150

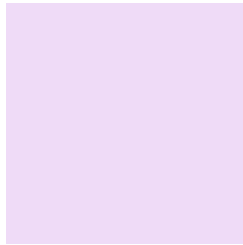


19.5790, 29.7070, 17.7950



# Previews

## White Background



This preview shows how the YIQ color 228.1720, 2.9320, 12.9480 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 228.1720, 2.9320, 12.9480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

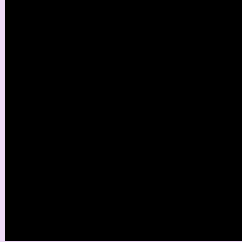
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

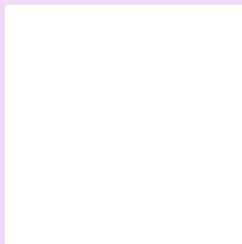
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 228.1720, 2.9320, 12.9480

## Background



This preview shows how black text looks on a background with the YIQ color 228.1720, 2.9320, 12.9480.



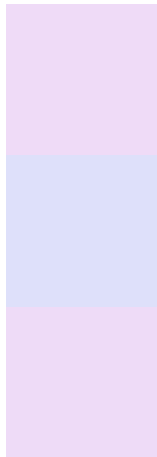
This preview shows how white text looks on a background with the YIQ color 228.1720, 2.9320,

12.9480.

# 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

228.1720, 2.9320, 12.9480

### Protanopia

226.3660, -9.5380, 7.6620

### Deuteranopia

227.8730, 2.3360, 12.7360



## Tritanopia

228.0210, 4.6750, 8.8910

# Trichromacy



## Original Color

228.1720, 2.9320, 12.9480

## Protanomaly

226.8720, -5.0910, 9.6690

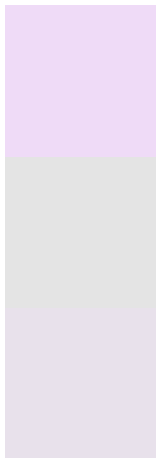
## Deuteranomaly

227.8730, 2.3360, 12.7360

## Tritanomaly

227.7760, 3.9870, 10.3470

# Monochromacy



## Original Color

228.1720, 2.9320, 12.9480

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.2330, 0.9620, 4.5940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.1720, 2.9320, 12.9480 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(239, 219, 247)` looks like.

```
.text, #text, p{  
    color:rgb(239, 219, 247)  
}
```

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(239, 219, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 219, 247) }
```

## Border

The CSS property to change the border of an element to YIQ 228.1720, 2.9320, 12.9480 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(239, 219, 247) }
```



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

```
.border{ border-color:rgb(239, 219, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 219, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 219, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 219, 247);  
box-shadow:4px 4px 4px 4px rgb(239, 219,  
247) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.1720, 2.9320, 12.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 219, 247) }
```

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

```
.background{ background-color: rgb(239,  
219, 247) }
```

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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