

# Converting Colors

YIQ(147.0020, 25.1630, 45.0910)

Have a look what the booklet for  
YIQ(147.0020, 25.1630, 45.0910)  
contains.

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# Color

**YIQ(147.0020, 25.1630,  
45.0910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C76FC4
RGB	199, 111, 196
RGB Percent	78%, 44%, 77%
CMY	0.2193, 0.5648, 0.2313
CMYK	0.00, 0.44, 0.02, 0.22
HSL	302°, 44%, 61%
HSV	302°, 44%, 78%
XYZ	39.2162, 27.4980, 55.4705
YIQ	147.0020, 25.1630, 45.0910

# Conversions

## Conversions Part 2

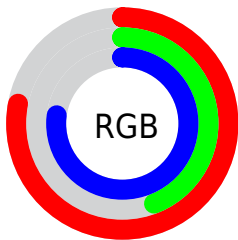
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 111, 196
Decimal	13070276
CIE <sub>Lab</sub>	59.43, 47.09, -29.68
CIE <sub>LCh</sub>	59, 55.662, 327.780
Yxy	27.4980, 0.3210, 0.2251
Android (android.graphics.Color)	4291260356 (0xFFC76FC4)
YUV	147.0020, 24.1560, 45.6022
Hunter-Lab	52.4386, 41.7236, -26.0110

# Details

The YIQ color **147.0020, 25.1630, 45.0910** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **162.9980, -25.1630, -45.0910**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **201.9420, 25.3920, 46.4480**, and **93.5780, 23.4210, 43.6210** is the 20% darker color. If you saturate the color by 10%, you get **135.1480, 30.9840, 55.2400**, and if you desaturate by 10%, it is **158.8560, 19.3420, 34.9420**.

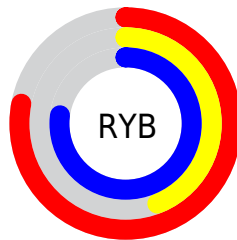
# Distribution



Red (78%)

Green (44%)

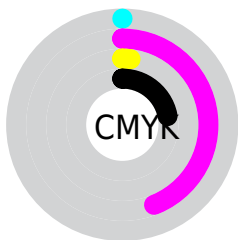
Blue (77%)



Red (78%)

Yellow (44%)

Blue (77%)

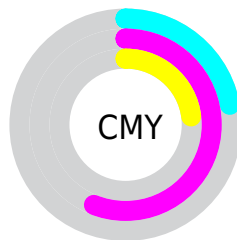


Cyan (0%)

Magenta (44%)

Yellow (2%)

Black (22%)



Cyan (22%)

Magenta (56%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 147.0020, 25.1630, 45.0910 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 147.0020, 25.1630, 45.0910 by changing the saturation by 10% instead.



147.0020, 25.1630,  
45.0910

147.0020, 25.1630,  
45.0910

255.0000, -0.0000,  
-0.0000

120.2900, 24.2920,  
44.3560

201.9420, 25.3920,  
46.4480

93.5780, 23.4210,  
43.6210

218.6060, 17.0500,  
32.4260

66.6920, 23.1000,  
43.9320

235.0420, 9.3500,  
17.7820

37.2840, 24.4290,  
47.3810

252.0650, 1.3750,  
2.6150

26.7740, 16.6370,  
34.4050

17.9870, 11.1830,  
23.1110

2.6220, -7.3830,

7.1530

0.0000, 0.0000,  
0.0000

147.0020, 25.1630,  
45.0910

147.0020, 25.1630,  
45.0910

135.1480, 30.9840,  
55.2400

158.8560, 19.3420,  
34.9420

123.4080, 36.4840,  
65.7000

170.5960, 13.8420,  
24.4820

111.5540, 42.3050,  
75.8490

182.4500, 8.0210,  
14.3330

99.7000, 48.1260,  
85.9980

194.3040, 2.2000,  
4.1840

87.9600, 53.6260,  
96.4580

206.0440, -3.3000,  
-6.2760

■ 81.3890, 56.9720,  
101.9000

■ 217.3110, -8.8460,  
-15.9020

■ 229.1650,  
-14.6670, -26.0510

■ 232.2140,  
-16.3630, -28.3550

# Harmonies

## Analogous

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



144.9660, -27.8820, 31.7500



147.0020, 25.1630, 45.0910



142.9830, 61.7050, 43.6330

# Triad

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



147.0020, 25.1630, 45.0910



137.2390, 52.4100, -24.7260



118.7600, -105.6770, -28.6610

# Complementary

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



147.0020, 25.1630, 45.0910



162.9980, -25.1630, -45.0910

# 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.



113.1740, -89.9480, -43.9000



147.0020, 25.1630, 45.0910



133.0600, 15.8250, -39.0150

# Square

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



147.0020, 25.1630, 45.0910



140.3580, 72.0290, -0.3150



121.5710, -40.0180, -45.6980



120.1570, -116.5000, -14.2280



# Rectangle

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



147.0020, 25.1630, 45.0910



141.0040, 74.4070, 33.6950



121.5710, -40.0180, -45.6980



117.6370, -101.1370, -33.8490

# Sweetspot

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



147.0020, 25.1630, 45.0910



235.5150, 9.3960, 16.9480



121.9290, -26.4600, 28.0040



115.5590, 6.0960, 10.6720



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.



147.0020, 25.1630, 45.0910



175.1850, 38.7300, 69.0500



141.9860, 39.2870, 31.4070



93.7170, 2.4750, 4.7070



66.7490, 46.4300, 83.6940



14.6400, 10.5420, 18.2060



# Inverse Universe

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



147.0020, 25.1630, 45.0910



175.1850, 38.7300, 69.0500



168.0140, -39.2870, -31.4070



93.7170, 2.4750, 4.7070



66.7490, 46.4300, 83.6940



14.6400, 10.5420, 18.2060



# Previews

## White Background



This preview shows how the YIQ color 147.0020, 25.1630, 45.0910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

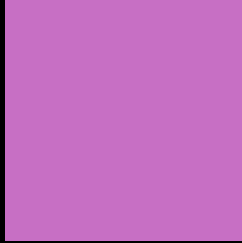
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 147.0020, 25.1630, 45.0910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

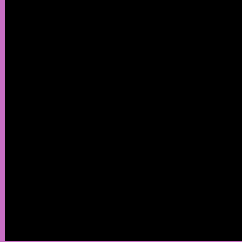
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 147.0020, 25.1630, 45.0910

## Background



This preview shows how black text looks on a background with the YIQ color 147.0020, 25.1630, 45.0910.



This preview shows how white text looks on a background with the YIQ color 147.0020, 25.1630,



# 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

147.0020, 25.1630, 45.0910

### Protanopia

142.2320, -40.8550, 19.0570

### Deuteranopia

144.0090, -21.4140, 13.6420



## Tritanopia

145.7600, 36.4470, 16.7910

# Trichromacy



## Original Color

147.0020, 25.1630, 45.0910



## Protanomaly

144.0180, -16.4650, 28.5830



## Deuteranomaly

144.9560, -4.7270, 25.1050



## Tritanomaly

146.3440, 32.2270, 27.1950

# Monochromacy



## Original Color

147.0020, 25.1630, 45.0910



## Achromatopsia

147.0000, -0.0000, 0.0000



## Achromatomaly

147.1020, 9.1210, 16.4250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 147.0020, 25.1630, 45.0910 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(199, 111, 196)` looks like.

```
.text, #text, p{  
    color:rgb(199, 111, 196)  
}
```

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(199, 111, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 111, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 147.0020, 25.1630, 45.0910 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(199, 111, 196) }
```



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

```
.border{ border-color:rgb(199, 111, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 111, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 111, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 111, 196);  
box-shadow:4px 4px 4px 4px rgb(199, 111,  
196) }
```

# Background

The CSS property to change the background color of an element to YIQ 147.0020, 25.1630, 45.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 111, 196) }
```

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

```
.background{ background-color: rgb(199,  
111, 196) }
```

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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