

# Converting Colors

YIQ(129.3780, 54.3640, 72.0600)

Have a look what the booklet for  
YIQ(129.3780, 54.3640, 72.0600)  
contains.

<b>YIQ(129.3780, 54.3640, 72.0600)</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(129.3780, 54.3640,  
72.0600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E244C0
RGB	226, 68, 192
RGB Percent	89%, 27%, 75%
CMY	0.1133, 0.7336, 0.2469
CMYK	0.00, 0.70, 0.15, 0.11
HSL	313°, 73%, 58%
HSV	313°, 70%, 89%
XYZ	42.9812, 24.1208, 52.2773
YIQ	129.3780, 54.3640, 72.0600

# Conversions

## Conversions Part 2

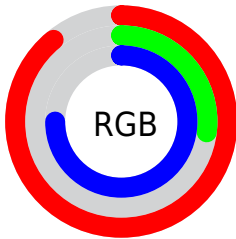
Format	Color
R <sub>Y</sub> B	226, 68, 192
Decimal	14828736
CIE Lab	56.21, 72.54, -32.11
CIE LCh	56, 79.327, 336.122
Yxy	24.1208, 0.3600, 0.2021
Android (android.graphics.Color)	4293018816 (0xFFE244C0)
YUV	129.3780, 30.8726, 84.7375
Hunter-Lab	49.1129, 70.2667, -28.7310

# Details

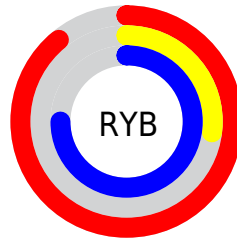
The YIQ color **129.3780, 54.3640, 72.0600** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted magenta. A complement of this color would be **164.6220, -54.3640, -72.0600**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **179.7670, 36.8510, 64.5550**, and **65.6650, 55.2340, 78.3220** is the 20% darker color. If you saturate the color by 10%, you get **115.3070, 62.2940, 82.5340**, and if you desaturate by 10%, it is **143.4490, 46.4340, 61.5860**.

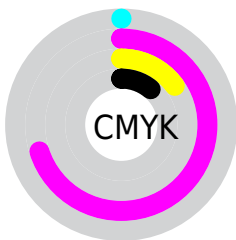
# Distribution



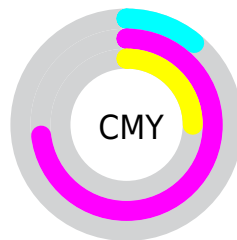
- Red (89%)
- Green (27%)
- Blue (75%)



- Red (89%)
- Yellow (27%)
- Blue (75%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (11%)




- Cyan (11%)
- Magenta (73%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 129.3780, 54.3640, 72.0600 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 129.3780, 54.3640, 72.0600 by changing the saturation by 10% instead.





 129.3780, 54.3640,  
72.0600


 129.3780, 54.3640,  
72.0600


255.0000, -0.0000,  
-0.0000


 95.0240, 55.6010,  
77.1770


 179.7670, 36.8510,  
64.5550


 65.6650, 55.2340,  
78.3220


 197.4740, 26.9500,  
51.2540


 54.0300, 46.2960,  
64.0880


 215.0840, 18.7000,  
35.5640

 42.6230, 36.7160,  
50.4760

 232.1070, 10.7250,  
20.3970

 31.5150, 27.7320,  
37.0760

 249.7170, 2.4750,  
4.7070

 21.1190, 19.6190,  
24.4110

 8.4450, 6.4170,

10.3610

■ 0.0000, 0.0000,  
0.0000

■ 129.3780, 54.3640,  
72.0600

■ 129.3780, 54.3640,  
72.0600

■ 115.3070, 62.2940,  
82.5340

■ 143.4490, 46.4340,  
61.5860

■ 101.8230, 69.9490,  
92.4850


■ 156.9330, 38.7790,  
51.6350


■ 87.7520, 77.8790,  
102.9590

■ 171.0040, 30.8490,  
41.1610


■ 184.4880, 23.1940,  
31.2100

■ 198.4450, 15.5850,  
20.4250

 212.5160, 7.6550,  
9.9510

 226.0000, -0.0000,  
0.0000

 240.0710, -7.9300,  
-10.4740

 244.1630,  
-11.1850, -12.0570

# Harmonies

## Analogous

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



137.1050, -20.1830, 51.9210



129.3780, 54.3640, 72.0600



115.0240, 99.1590, 69.7110

# Triad

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



129.3780, 54.3640, 72.0600



125.2690, 51.7250, -39.8510



120.7780, -114.1150, -18.9070

# Complementary

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



129.3780, 54.3640, 72.0600



164.6220, -54.3640, -72.0600

# 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.



113.1400, -92.6080, -39.7440



129.3780, 54.3640, 72.0600



112.2360, 2.6250, -64.1190

# Square

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



129.3780, 54.3640, 72.0600



126.1640, 92.5260, -13.8580



103.0570, -68.3500, -60.8780



121.2290, -125.0300, -2.8060



# Rectangle

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



129.3780, 54.3640, 72.0600



118.3890, 107.4160, 46.7120



103.0570, -68.3500, -60.8780



118.3840, -107.3740, -25.4380

# Sweetspot

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



129.3780, 54.3640, 72.0600



221.9340, 18.7020, 24.5100



95.5800, -31.6460, 55.9220



108.4180, 11.0470, 14.5590



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.



129.3780, 54.3640, 72.0600



124.1380, 73.6160, 97.6160



120.6000, 79.0810, 48.1130



105.3150, 3.6670, 5.1310



68.3560, 60.5980, 80.2300



18.6840, 16.4100, 21.9940



# Inverse Universe

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



129.3780, 54.3640, 72.0600



124.1380, 73.6160, 97.6160



173.4000, -79.0810, -48.1130



105.3150, 3.6670, 5.1310



68.3560, 60.5980, 80.2300

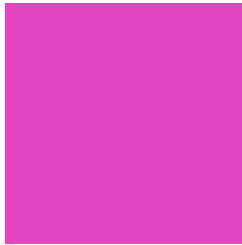


18.6840, 16.4100, 21.9940



# Previews

## White Background



This preview shows how the YIQ color 129.3780, 54.3640, 72.0600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

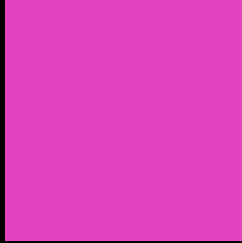
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 129.3780, 54.3640, 72.0600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

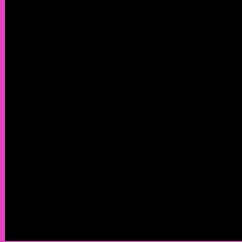
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 129.3780, 54.3640, 72.0600

## Background



This preview shows how black text looks on a background with the YIQ color 129.3780, 54.3640, 72.0600.



This preview shows how white text looks on a background with the YIQ color 129.3780, 54.3640,



# 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

129.3780, 54.3640, 72.0600

### Protanopia

129.0350, -67.8610, 23.9070

### Deuteranopia

135.2970, -22.2850, 12.9070



## Tritanopia

132.5750, 71.0610, 28.2530

# Trichromacy



## Original Color

129.3780, 54.3640, 72.0600



## Protanomaly

129.2150, -23.8490, 41.2630



## Deuteranomaly

133.0270, 5.6790, 34.7590



## Tritanomaly

131.3640, 65.0060, 44.3820

# Monochromacy



## Original Color

129.3780, 54.3640, 72.0600



## Achromatopsia

129.0000, 0.0000, 0.0000



## Achromatomaly

129.1730, 19.5270, 26.0790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 129.3780, 54.3640, 72.0600 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(226, 68, 192)` looks like.

```
.text, #text, p{  
    color:rgb(226, 68, 192)  
}
```

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(226, 68, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 68, 192) }
```

## Border

The CSS property to change the border of an element to YIQ 129.3780, 54.3640, 72.0600 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(226, 68, 192) }
```



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

```
.border{ border-color:rgb(226, 68, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 68, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 68, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 68, 192);  
box-shadow:4px 4px 4px 4px rgb(226, 68,  
192) }
```

# Background

The CSS property to change the background color of an element to YIQ 129.3780, 54.3640, 72.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 68, 192) }
```

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

```
.background{ background-color: rgb(226, 68,  
192) }
```

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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