

Converting Colors

YIQ(170.9460, 36.7640, 38.5880)

Have a look what the booklet for
YIQ(170.9460, 36.7640, 38.5880)
contains.

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Color

**YIQ(170.9460, 36.7640,
38.5880)**

Conversions

Conversions Part 1

Format	Color
Hex	E688C4
RGB	230, 136, 196
RGB Percent	90%, 53%, 77%
CMY	0.0978, 0.4668, 0.2313
CMYK	0.00, 0.41, 0.15, 0.10
HSL	322°, 65%, 72%
HSV	322°, 41%, 90%
XYZ	51.4198, 38.4179, 56.9450
YIQ	170.9460, 36.7640, 38.5880

Conversions

Conversions Part 2

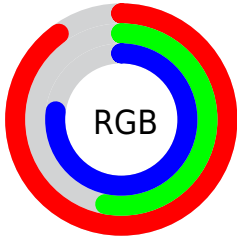
Format	Color
R _Y B	230, 136, 196
Decimal	15108292
CIE Lab	68.33, 43.93, -15.74
CIE LCh	68, 46.668, 340.283
Yxy	38.4179, 0.3503, 0.2617
Android (android.graphics.Color)	4293298372 (0xFFE688C4)
YUV	170.9460, 12.3516, 51.7904
Hunter-Lab	61.9822, 39.6130, -11.0840

Details

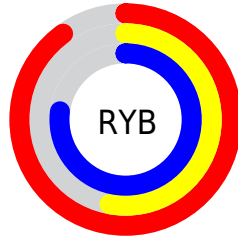
The YIQ color **170.9460, 36.7640, 38.5880** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **195.0540, -36.7640, -38.5880**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.2040, 18.2420, 32.8500**, and **116.6360, 34.7010, 37.4290** is the 20% darker color. If you saturate the color by 10%, you get **156.5330, 45.6570, 48.1290**, and if you desaturate by 10%, it is **185.3590, 27.8710, 29.0470**.

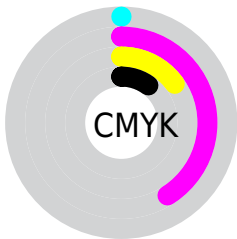
Distribution



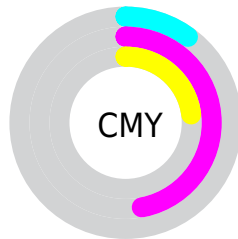
- Red (90%)
- Green (53%)
- Blue (77%)



- Red (90%)
- Yellow (53%)
- Blue (77%)



- Cyan (0%)
- Magenta (41%)
- Yellow (15%)
- Black (10%)



- Cyan (10%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 170.9460, 36.7640, 38.5880 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 170.9460, 36.7640, 38.5880 by changing the saturation by 10% instead.

 170.9460, 36.7640,
38.5880


 170.9460, 36.7640,
38.5880


255.0000, -0.0000,
-0.0000


 143.3480, 35.5720,
38.1640


 217.2040, 18.2420,
32.8500


 116.6360, 34.7010,
37.4290


 233.8680, 9.9000,
18.8280

 90.7390, 32.9130,
36.7930

 250.8910, 1.9250,
3.6610

 63.9670, 32.2710,
37.4150

 34.9610, 32.4080,
40.4400

 24.9780, 24.5700,
28.2980

 15.7070, 17.6030,

16.8910

■ 0.0000, 0.0000,
0.0000

■ 170.9460, 36.7640,
38.5880

■ 170.9460, 36.7640,
38.5880

■ 156.5330, 45.6570,
48.1290

■ 185.3590, 27.8710,
29.0470

■ 142.0060, 54.8710,
57.3590

■ 199.8860, 18.6570,
19.8170

■ 127.5930, 63.7640,
66.9000

■ 214.2990, 9.7640,
10.2760

■ 113.1800, 72.6570,
76.4410

■ 228.7120, 0.8710,
0.7350

■ 98.6530, 81.8710,
85.6710

■ 243.2390, -8.3430,
-8.4950

■ 85.5280, 89.8930,
94.4770

■ 246.4990,
-12.0110, -8.0990

■ 247.4110,
-14.5790, -5.6110

■ 247.5250,
-14.9000, -5.3000

Harmonies

Analogous

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



170.8950, -2.7570, 33.4590



170.9460, 36.7640, 38.5880



168.5940, 60.8820, 31.0100

Triad

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



170.9460, 36.7640, 38.5880



161.6590, 33.6120, -25.4600



134.2620, -121.7700, -28.8580

Complementary

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



170.9460, 36.7640, 38.5880



195.0540, -36.7640, -38.5880

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.



130.8760, -109.4800, -42.3440



170.9460, 36.7640, 38.5880



156.5280, -2.9280, -35.0560

Square

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



170.9460, 36.7640, 38.5880



164.6010, 57.8630, -7.9050



146.3280, -52.2150, -39.4070



133.0030, -127.8700, -17.4220

Rectangle

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



170.9460, 36.7640, 38.5880



167.1520, 67.5780, 19.7860



146.3280, -52.2150, -39.4070



133.4810, -118.1930, -33.1130

Sweetspot

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



170.9460, 36.7640, 38.5880



235.5490, 12.0560, 12.7920



156.5830, -10.5060, 36.2300



116.6360, 7.1970, 7.2370



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.



170.9460, 36.7640, 38.5880



176.4950, 48.8200, 51.3800



165.7020, 51.5300, 24.2820



107.5000, 4.5840, 5.0320



66.5170, 70.0900, 73.4020



19.0110, 19.8030, 21.0750

Inverse Universe

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



170.9460, 36.7640, 38.5880



176.4950, 48.8200, 51.3800



200.2980, -51.5300, -24.2820



107.5000, 4.5840, 5.0320



66.5170, 70.0900, 73.4020



19.0110, 19.8030, 21.0750

Previews

White Background



This preview shows how the YIQ color 170.9460, 36.7640, 38.5880 looks on a white background.

Color Contrast Check

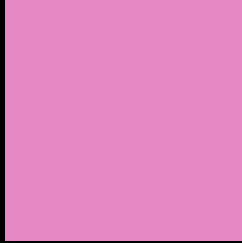
Large Text (above 18pt) WCAG AA × Fail

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 170.9460, 36.7640, 38.5880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

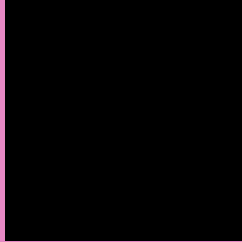
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 170.9460, 36.7640, 38.5880

Background



This preview shows how black text looks on a background with the YIQ color 170.9460, 36.7640, 38.5880.



This preview shows how white text looks on a background with the YIQ color 170.9460, 36.7640,

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

170.9460, 36.7640, 38.5880

Protanopia

167.5250, -22.9270, 13.5290

Deuteranopia

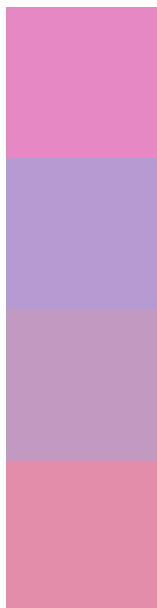
168.8830, -3.6240, 10.6160



Tritanopia

169.4730, 44.7450, 20.5930

Trichromacy



Original Color

170.9460, 36.7640, 38.5880

Protanomaly

168.6420, -0.9670, 23.0410

Deuteranomaly

169.5200, 11.0000, 20.9200

Tritanomaly

170.0200, 41.9470, 27.2510

Monochromacy



Original Color

170.9460, 36.7640, 38.5880

Achromatopsia

171.0000, -0.0000, -0.0000

Achromatomaly

170.6740, 13.2020, 14.0500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 170.9460, 36.7640, 38.5880 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(230, 136, 196)` looks like.

```
.text, #text, p{  
    color:rgb(230, 136, 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(230, 136, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 136, 196) }
```

Border

The CSS property to change the border of an element to YIQ 170.9460, 36.7640, 38.5880 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(230, 136, 196) }
```


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

```
.border{ border-color:rgb(230, 136, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 136, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 136, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 136, 196);  
box-shadow:4px 4px 4px 4px rgb(230, 136,  
196) }
```

Background

The CSS property to change the background color of an element to YIQ 170.9460, 36.7640, 38.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 136, 196) }
```

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

```
.background{ background-color: rgb(230,  
136, 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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