

Converting Colors

YIQ(167.0680, 33.9650, 50.7730)

Have a look what the booklet for
YIQ(167.0680, 33.9650, 50.7730)
contains.

YIQ(167.0680, 33.9650, 50.7730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(167.0680, 33.9650,
50.7730)**

Conversions

Conversions Part 1

Format	Color
Hex	E77DD8
RGB	231, 125, 216
RGB Percent	91%, 49%, 85%
CMY	0.0938, 0.5100, 0.1529
CMYK	0.00, 0.46, 0.07, 0.09
HSL	309°, 69%, 70%
HSV	309°, 46%, 91%
XYZ	52.7052, 36.6168, 69.2667
YIQ	167.0680, 33.9650, 50.7730

Conversions

Conversions Part 2

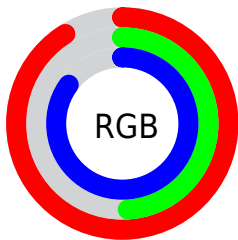
Format	Color
RYB	231, 125, 216
Decimal	15171032
CIELab	66.99, 53.07, -28.93
CIELCh	67, 60.441, 331.408
Yxy	36.6168, 0.3323, 0.2309
Android (android.graphics.Color)	4293361112 (0xFFE77DD8)
YUV	167.0680, 24.1235, 56.0684
Hunter-Lab	60.5118, 49.5763, -25.5099

Details

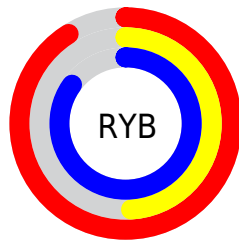
The YIQ color **167.0680, 33.9650, 50.7730** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **188.9320, -33.9650, -50.7730**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **210.9750, 20.6250, 39.2250**, and **111.7580, 31.9020, 49.6140** is the 20% darker color. If you saturate the color by 10%, you get **153.2250, 41.2530, 61.8690**, and if you desaturate by 10%, it is **180.9110, 26.6770, 39.6770**.

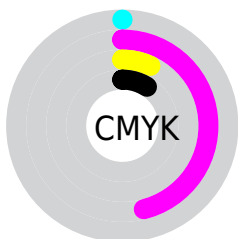
Distribution



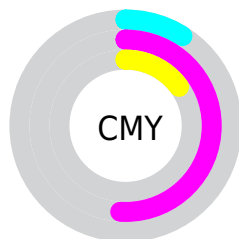
- Red (91%)
- Green (49%)
- Blue (85%)



- Red (91%)
- Yellow (49%)
- Blue (85%)



- Cyan (0%)
- Magenta (46%)
- Yellow (7%)
- Black (9%)





- Cyan (9%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 167.0680, 33.9650, 50.7730 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 167.0680, 33.9650, 50.7730 by changing the saturation by 10% instead.


 167.0680, 33.9650,
50.7730


 167.0680, 33.9650,
50.7730


255.0000, -0.0000,
-0.0000


 139.3560, 33.0940,
50.0380


 210.9750, 20.6250,
39.2250


 111.7580, 31.9020,
49.6140


 227.9980, 12.6500,
24.0580

 83.9860, 31.2600,
50.2360

 245.0210, 4.6750,
8.8910

 51.2300, 33.6890,
55.7770

 36.7850, 27.2720,
45.4160

 26.3890, 19.1590,
32.7510

 17.0040, 12.5130,

21.0330

■ 2.2970, -5.0900,
4.1420

■ 0.0000, 0.0000,
0.0000

■ 167.0680, 33.9650,
50.7730

■ 167.0680, 33.9650,
50.7730

■ 153.2250, 41.2530,
61.8690

■ 180.9110, 26.6770,
39.6770

■ 139.2680, 48.8620,
72.6540

■ 194.8680, 19.0680,
28.8920

■ 125.4250, 56.1500,
83.7500

■ 208.7110, 11.7800,
17.7960

■ 111.5820, 63.4380,
94.8460

■ 222.5540, 4.4920,
6.7000

■ 97.1520, 71.0010,
106.4650

■ 236.9840, -3.0710,
-4.9190

■ 91.6410, 74.1180,
110.5500

■ 245.6580, -8.2050,
-10.9970

■ 246.0000, -9.1680,
-10.0640

■ 246.3420,
-10.1310, -9.1310

■ 246.7980,
-11.4150, -7.8870

Harmonies

Analogous

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



166.1780, -22.4270, 37.5170



167.0680, 33.9650, 50.7730



161.1580, 68.5820, 45.6540

Triad

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



167.0680, 33.9650, 50.7730



156.3330, 54.8410, -30.2390



135.2080, -121.6780, -30.5260

Complementary

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



167.0680, 33.9650, 50.7730



188.9320, -33.9650, -50.7730

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.



129.6390, -104.6190, -47.8430



167.0680, 33.9650, 50.7730



150.8590, 11.8370, -43.8350

Square

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



167.0680, 33.9650, 50.7730



159.9580, 78.9070, -3.8210



136.1560, -55.1470, -52.3550



135.9040, -131.9050, -15.8810

Rectangle

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



167.0680, 33.9650, 50.7730



158.7010, 79.6340, 32.5780



136.1560, -55.1470, -52.3550



133.8570, -116.4960, -36.3360

Sweetspot

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



167.0680, 33.9650, 50.7730



233.2980, 11.5050, 17.2730



141.2700, -25.6820, 35.9340



114.6300, 7.3340, 10.2620



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.



167.0680, 33.9650, 50.7730



170.5400, 44.9200, 67.0000



161.1400, 50.6570, 34.6010



107.7280, 3.9420, 5.6540



70.9630, 57.5710, 85.5310



20.2650, 16.2720, 24.4960

Inverse Universe

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



167.0680, 33.9650, 50.7730



170.5400, 44.9200, 67.0000



194.8600, -50.6570, -34.6010



107.7280, 3.9420, 5.6540



70.9630, 57.5710, 85.5310



20.2650, 16.2720, 24.4960

Previews

White Background



This preview shows how the YIQ color 167.0680, 33.9650, 50.7730 looks on a white background.

Color Contrast Check

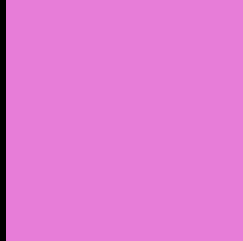
Large Text (above 18pt) WCAG AA × Fail

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 167.0680, 33.9650, 50.7730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

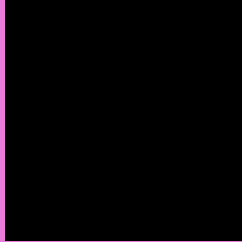
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 167.0680, 33.9650, 50.7730

Background



This preview shows how black text looks on a background with the YIQ color 167.0680, 33.9650, 50.7730.



This preview shows how white text looks on a background with the YIQ color 167.0680, 33.9650,

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

167.0680, 33.9650, 50.7730

Protanopia

162.6880, -42.1390, 20.3010

Deuteranopia

164.2050, -19.0300, 14.4900



Tritanopia

165.9570, 46.2580, 20.7060

Trichromacy



Original Color

167.0680, 33.9650, 50.7730



Protanomaly

164.3820, -14.4940, 31.4100



Deuteranomaly

165.1740, 0.5910, 27.8470



Tritanomaly

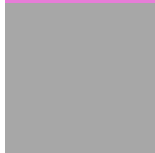
166.6550, 41.7170, 31.4210

Monochromacy



Original Color

167.0680, 33.9650, 50.7730



Achromatopsia

167.0000, -0.0000, -0.0000



Achromatomaly

167.1240, 12.0550, 18.3190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 167.0680, 33.9650, 50.7730 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(231, 125, 216)` looks like.

```
.text, #text, p{  
    color:rgb(231, 125, 216)  
}
```

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(231, 125, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 125, 216) }
```

Border

The CSS property to change the border of an element to YIQ 167.0680, 33.9650, 50.7730 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(231, 125, 216) }
```


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

```
.border{ border-color:rgb(231, 125, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 125, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 125, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 125, 216);  
box-shadow:4px 4px 4px 4px rgb(231, 125,  
216) }
```

Background

The CSS property to change the background color of an element to YIQ 167.0680, 33.9650, 50.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 125, 216) }
```

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

```
.background{ background-color: rgb(231,  
125, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor