

Converting Colors

YIQ(118.1160, 61.5140, 85.6580)

Have a look what the booklet for
YIQ(118.1160, 61.5140, 85.6580)
contains.

YIQ(118.1160, 61.5140, 85.6580)	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(118.1160, 61.5140,
85.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	E62EC4
RGB	230, 46, 196
RGB Percent	90%, 18%, 77%
CMY	0.0975, 0.8199, 0.2312
CMYK	0.00, 0.80, 0.15, 0.10
HSL	311°, 79%, 54%
HSV	311°, 80%, 90%
XYZ	43.6181, 22.7804, 54.3422
YIQ	118.1160, 61.5140, 85.6580

Conversions

Conversions Part 2

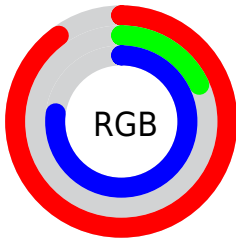
Format	Color
R _Y B	230, 46, 196
Decimal	15085252
CIE Lab	54.85, 80.30, -36.50
CIE LCh	55, 88.204, 335.558
Yxy	22.7804, 0.3613, 0.1887
Android (android.graphics.Color)	4293275332 (0xFFE62EC4)
YUV	118.1160, 38.3968, 98.1223
Hunter-Lab	47.7288, 79.6011, -34.0951

Details

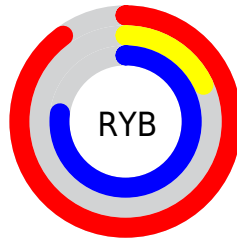
The YIQ color **118.1160, 61.5140, 85.6580** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **157.8840, -61.5140, -85.6580**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **172.0050, 39.4170, 73.1210**, and **67.0180, 55.7380, 80.2020** is the 20% darker color. If you saturate the color by 10%, you get **104.1590, 69.1230, 96.4430**, and if you desaturate by 10%, it is **132.0730, 53.9050, 74.8730**.

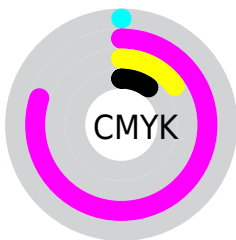
Distribution



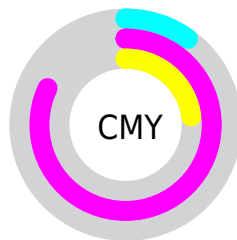
- Red (90%)
- Green (18%)
- Blue (77%)



- Red (90%)
- Yellow (18%)
- Blue (77%)



- Cyan (0%)
- Magenta (80%)
- Yellow (15%)
- Black (10%)





- Cyan (10%)
- Magenta (82%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 118.1160, 61.5140, 85.6580 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 118.1160, 61.5140, 85.6580 by changing the saturation by 10% instead.


 118.1160, 61.5140,
85.6580


 118.1160, 61.5140,
85.6580


255.0000, -0.0000,
-0.0000

 79.0660, 64.9510,
94.9590


 172.0050, 39.4170,
73.1210


 67.0180, 55.7380,
80.2020

 189.8430, 30.5250,
58.0530

 55.3830, 46.8000,
65.9680


 207.4530, 22.2750,
42.3630

 43.8620, 37.5410,
52.0450

 225.0630, 14.0250,
26.6730

 32.4550, 27.9610,
38.4330

 242.6730, 5.7750,
10.9830

 21.7600, 19.2520,
25.5560

 9.0860, 6.0500,

11.5060

■ 0.0000, 0.0000,
0.0000

■ 118.1160, 61.5140,
85.6580

■ 118.1160, 61.5140,
85.6580

■ 104.1590, 69.1230,
96.4430

■ 132.0730, 53.9050,
74.8730

■ 90.2020, 76.7320,
107.2280

■ 146.1440, 45.9750,
64.3990

■ 160.1010, 38.3660,
53.6140

■ 174.0580, 30.7570,
42.8290

■ 188.0150, 23.1480,
32.0440

■ 202.0860, 15.2180,
21.5700

■ 216.0430, 7.6090,
10.7850

■ 230.0000, -0.0000,
0.0000

■ 243.9570, -7.6090,
-10.7850

Harmonies

Analogous

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



131.7010, -24.6770, 56.2750



118.1160, 61.5140, 85.6580



90.0390, 113.1390, 91.6910

Triad

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



118.1160, 61.5140, 85.6580



122.0240, 51.0370, -38.3950



120.0600, -114.8490, -16.6170

Complementary

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



118.1160, 61.5140, 85.6580



157.8840, -61.5140, -85.6580

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.



112.0970, -91.0490, -40.4650



118.1160, 61.5140, 85.6580



105.9900, -5.4900, -65.7300

Square

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



118.1160, 61.5140, 85.6580



122.0660, 95.9180, -9.2500



100.4010, -63.6270, -63.8750



120.6420, -124.7550, -2.2830

Rectangle

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



118.1160, 61.5140, 85.6580



99.6010, 122.0390, 62.5430



100.4010, -63.6270, -63.8750



118.0250, -107.7410, -24.2930

Sweetspot

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



118.1160, 61.5140, 85.6580



217.9390, 20.3060, 28.4820



77.1420, -38.8000, 64.4320



105.4830, 12.4220, 17.1740



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.



118.1160, 61.5140, 85.6580



106.0550, 81.8200, 114.1400



107.6280, 91.0460, 57.0460



107.7280, 3.9420, 5.6540



70.0510, 60.1390, 83.0430



20.0370, 16.9140, 23.8740

Inverse Universe

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



118.1160, 61.5140, 85.6580



106.0550, 81.8200, 114.1400



168.3720, -91.0460, -57.0460



107.7280, 3.9420, 5.6540



70.0510, 60.1390, 83.0430



20.0370, 16.9140, 23.8740

Previews

White Background



This preview shows how the YIQ color 118.1160, 61.5140, 85.6580 looks on a white background.

Color Contrast Check

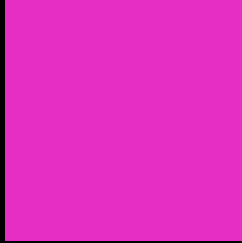
Large Text (above 18pt) WCAG AA ✓ Pass

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 118.1160, 61.5140, 85.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

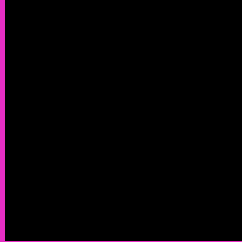
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 118.1160, 61.5140, 85.6580

Background



This preview shows how black text looks on a background with the YIQ color 118.1160, 61.5140, 85.6580.



This preview shows how white text looks on a background with the YIQ color 118.1160, 61.5140,

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

118.1160, 61.5140, 85.6580

Protanopia

120.9500, -83.6790, 24.2330

Deuteranopia

131.1870, -27.7870, 13.5010



Tritanopia

126.9350, 78.8550, 30.1750

Trichromacy



Original Color

118.1160, 61.5140, 85.6580



Protanomaly

119.7830, -31.1400, 46.7480



Deuteranomaly

126.3030, 5.0820, 40.0740



Tritanomaly

123.3590, 72.5700, 50.4740

Monochromacy



Original Color

118.1160, 61.5140, 85.6580



Achromatopsia

118.0000, 0.0000, -0.0000



Achromatomaly

118.1890, 22.5980, 30.9980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 118.1160, 61.5140, 85.6580 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, 46, 196)` looks like.

```
.text, #text, p{  
    color:rgb(230, 46, 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, 46, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 46, 196) }
```

Border

The CSS property to change the border of an element to YIQ 118.1160, 61.5140, 85.6580 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, 46, 196) }
```


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

```
.border{ border-color:rgb(230, 46, 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, 46, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 46, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 46, 196);  
box-shadow:4px 4px 4px 4px rgb(230, 46,  
196) }
```

Background

The CSS property to change the background color of an element to YIQ 118.1160, 61.5140, 85.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 46, 196) }
```

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

```
.background{ background-color: rgb(230, 46,  
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](#).

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