

Converting Colors

YIQ(87.9110, 45.0130, 59.8050)

Have a look what the booklet for
YIQ(87.9110, 45.0130, 59.8050)
contains.

YIQ(87.9110, 45.0130, 59.8050)	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(87.9110, 45.0130,
59.8050)**

Conversions

Conversions Part 1

Format	Color
Hex	A8258C
RGB	168, 37, 140
RGB Percent	66%, 15%, 55%
CMY	0.3408, 0.8551, 0.4509
CMYK	0.00, 0.78, 0.17, 0.34
HSL	313°, 64%, 40%
HSV	313°, 78%, 66%
XYZ	21.5642, 11.5493, 25.9134
YIQ	87.9110, 45.0130, 59.8050

Conversions

Conversions Part 2

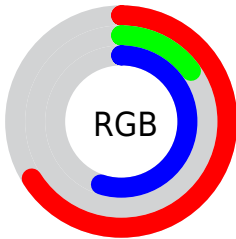
Format	Color
R_{YB}	168, 37, 140
Decimal	11019660
CIE _{Lab}	40.49, 61.46, -26.54
CIE _{LCh}	40, 66.948, 336.641
Yxy	11.5493, 0.3653, 0.1957
Android (android.graphics.Color)	4289209740 (0xFFA8258C)
YUV	87.9110, 25.6799, 70.2381
Hunter-Lab	33.9842, 53.7923, -21.4203

Details

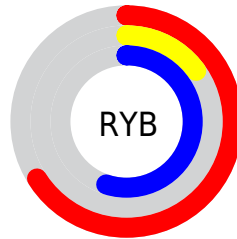
The YIQ color **87.9110, 45.0130, 59.8050** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **117.0890, -45.0130, -59.8050**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.6290, 45.7470, 57.5150**, and **43.6340, 38.1830, 51.4230** is the 20% darker color. If you saturate the color by 10%, you get **77.4760, 50.9720, 67.4520**, and if you desaturate by 10%, it is **98.3460, 39.0540, 52.1580**.

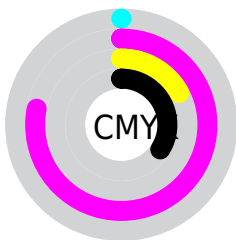
Distribution



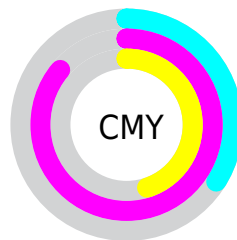
- Red (66%)
- Green (15%)
- Blue (55%)



- Red (66%)
- Yellow (15%)
- Blue (55%)



- Cyan (0%)
- Magenta (78%)
- Yellow (17%)
- Black (34%)



- Cyan (34%)
- Magenta (86%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.9110, 45.0130, 59.8050 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 87.9110, 45.0130, 59.8050 by changing the saturation by 10% instead.

87.9110, 45.0130,
59.8050

87.9110, 45.0130,
59.8050

255.0000, -0.0000,
-0.0000

54.8560, 46.8460,
65.1340

146.6290, 45.7470,
57.5150

43.7480, 37.8620,
51.7340

174.9280, 46.3430,
57.7270

32.6400, 28.8780,
38.3340

194.6700, 29.3340,
52.1020

22.9560, 21.6360,
26.4040

212.1490, 20.0750,
38.1790

11.4780, 10.8180,
13.2020

228.5850, 12.3750,
23.5350

0.0000, 0.0000,
0.0000

246.1950, 4.1250,

7.8450

■ 87.9110, 45.0130,
59.8050

■ 87.9110, 45.0130,
59.8050

■ 77.4760, 50.9720,
67.4520

■ 98.3460, 39.0540,
52.1580

■ 67.1550, 56.6100,
75.4100

■ 108.6670, 33.4160,
44.2000

■ 65.2800, 57.7560,
76.6680

■ 118.5150, 27.7320,
37.0760

■ 128.8360, 22.0940,
29.1180

■ 139.2710, 16.1350,
21.4710

■ 149.7060, 10.1760,
13.8240

■ 160.0270, 4.5380,
5.8660

■ 169.8750, -1.1460,
-1.2580

■ 180.1960, -6.7840,
-9.2160

Harmonies

Analogous

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



96.8200, -15.3670, 41.7290



87.9110, 45.0130, 59.8050



68.6630, 83.9380, 64.7220

Triad

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



87.9110, 45.0130, 59.8050



88.6330, 36.5010, -28.2590



87.5060, -83.8100, -11.9540

Complementary

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



87.9110, 45.0130, 59.8050



117.0890, -45.0130, -59.8050

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.



81.4640, -66.7970, -28.4370



87.9110, 45.0130, 59.8050



77.4270, -4.6220, -48.4140

Square

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



87.9110, 45.0130, 59.8050



89.4620, 68.5000, -7.9480



73.6780, -47.6290, -45.4290



88.7890, -94.3120, 2.1680

Rectangle

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



87.9110, 45.0130, 59.8050



78.9240, 86.5560, 39.2920



73.6780, -47.6290, -45.4290



85.5680, -78.3530, -17.2410

Sweetspot

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



87.9110, 45.0130, 59.8050



188.5100, 16.9600, 23.0400



59.7080, -26.5550, 46.2530



91.0050, 10.7720, 14.0360



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9110, 45.0130, 59.8050



93.0620, 70.7740, 94.0540



80.6150, 65.5570, 39.9010



79.0760, 2.8420, 3.5620



57.4760, 50.9720, 67.4520



7.8040, 6.7840, 9.2160

Inverse Universe

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



87.9110, 45.0130, 59.8050



93.0620, 70.7740, 94.0540



124.3850, -65.5570, -39.9010



79.0760, 2.8420, 3.5620



57.4760, 50.9720, 67.4520



7.8040, 6.7840, 9.2160

Previews

White Background



This preview shows how the YIQ color 87.9110, 45.0130, 59.8050 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

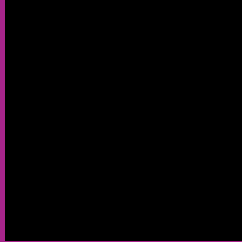
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.9110, 45.0130, 59.8050

Background



This preview shows how black text looks on a background with the YIQ color 87.9110, 45.0130, 59.8050.



This preview shows how white text looks on a background with the YIQ color 87.9110, 45.0130,

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

87.9110, 45.0130, 59.8050

Protanopia

89.0540, -60.8450, 17.8990

Deuteranopia

96.5270, -17.2410, 9.5990



Tritanopia

93.0570, 57.7200, 22.2320

Trichromacy



Original Color

87.9110, 45.0130, 59.8050

Protanomaly

88.5430, -22.1970, 33.3470

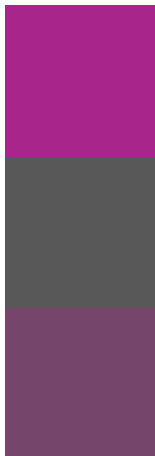
Deuteranomaly

93.5120, 5.4510, 27.8750

Tritanomaly

91.4500, 52.7200, 35.7600

Monochromacy



Original Color

87.9110, 45.0130, 59.8050

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.6840, 16.4100, 21.9940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.9110, 45.0130, 59.8050 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(168, 37, 140)` looks like.

```
.text, #text, p{  
    color:rgb(168, 37, 140)  
}
```

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(168, 37, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 37, 140) }
```

Border

The CSS property to change the border of an element to YIQ 87.9110, 45.0130, 59.8050 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(168, 37, 140) }
```


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

```
.border{ border-color:rgb(168, 37, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 37, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 37, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 37, 140);  
box-shadow:4px 4px 4px 4px rgb(168, 37,  
140) }
```

Background

The CSS property to change the background color of an element to YIQ 87.9110, 45.0130, 59.8050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 37, 140) }
```

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

```
.background{ background-color: rgb(168, 37,  
140) }
```

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