

Converting Colors

YIQ(112.2490, 52.1550,
117.6190)

Have a look what the booklet for
YIQ(112.2490, 52.1550, 117.6190)
contains.

YIQ(112.2490, 52.1550, 117.6190)	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(112.2490, 52.1550,
117.6190)**

Conversions

Conversions Part 1

Format	Color
Hex	EB16FF
RGB	235, 22, 255
RGB Percent	92%, 9%, 100%
CMY	0.0778, 0.9140, 0.0000
CMYK	0.08, 0.91, 0.00, 0.00
HSL	295°, 100%, 54%
HSV	295°, 91%, 100%
XYZ	52.6511, 25.4809, 96.7510
YIQ	112.2490, 52.1550, 117.6190

Conversions

Conversions Part 2

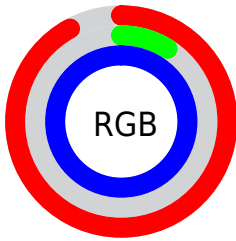
Format	Color
R _Y B	235, 22, 255
Decimal	15406847
CIE Lab	57.54, 93.65, -65.48
CIE LCh	58, 114.274, 325.038
Yxy	25.4809, 0.3011, 0.1457
Android (android.graphics.Color)	4293596927 (0xFFEB16FF)
YUV	112.2490, 70.3762, 107.6526
Hunter-Lab	50.4786, 97.8446, -78.3046

Details

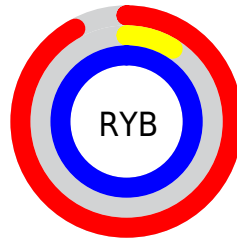
The YIQ color **112.2490, 52.1550, 117.6190** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **164.7510, -52.1550, -117.6190**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.1240, 40.7000, 77.4040**, and **74.4840, 40.4670, 98.1550** is the 20% darker color. If you saturate the color by 10%, you get **98.7370, 57.0130, 128.7010**, and if you desaturate by 10%, it is **127.5220, 46.4720, 104.9680**.

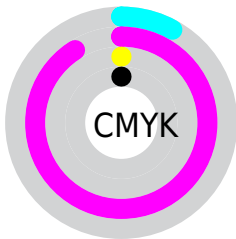
Distribution



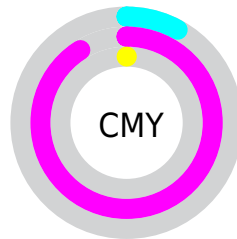
- Red (92%)
- Green (9%)
- Blue (100%)



- Red (92%)
- Yellow (9%)
- Blue (100%)



- Cyan (8%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.2490, 52.1550, 117.6190 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 112.2490, 52.1550, 117.6190 by changing the saturation by 10% instead.


 112.2490, 52.1550,
117.6190


 112.2490, 52.1550,
117.6190


255.0000, -0.0000,
-0.0000


 86.7600, 49.0380,
113.5340


 168.1240, 40.7000,
77.4040


 74.4840, 40.4670,
98.1550


 186.9080, 31.9000,
60.6680


 62.3220, 31.5750,
83.0870

 205.1050, 23.3750,
44.4550

 50.2740, 22.3620,
68.3300

 222.7150, 15.1250,
28.7650

 38.3400, 12.8280,
53.8840

 240.9120, 6.6000,
12.5520

 27.0040, 4.4860,
39.8620

 13.3900, -8.9450,

24.4550

■ 6.5490, -14.3070,
11.4930

■ 2.8670, -6.6950,
5.6970

■ 112.2490, 52.1550,
117.6190

■ 112.2490, 52.1550,
117.6190

■ 98.7370, 57.0130,
128.7010

■ 127.5220, 46.4720,
104.9680

■ 143.6810, 41.1100,
92.0060

■ 158.9540, 35.4270,
79.3550

■ 174.8140, 29.4690,
66.1810

■ 190.0870, 23.7860,
53.5300

■ 205.9470, 17.8280,
40.3560

■ 221.2200, 12.1450,
27.7050

■ 237.3790, 6.7830,
14.7430

■ 252.6520, 1.1000,
2.0920

Harmonies

Analogous

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



99.5100, -114.8550, 16.5450



112.2490, 52.1550, 117.6190



94.4850, 100.6200, 103.8200

Triad

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



112.2490, 52.1550, 117.6190



130.1410, 72.9970, -28.8830



128.5060, -119.3410, -23.3170

Complementary

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



112.2490, 52.1550, 117.6190



164.7510, -52.1550, -117.6190

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.



115.5900, -85.7280, -54.3040



112.2490, 52.1550, 117.6190



116.9760, 6.2930, -64.5150

Square

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



112.2490, 52.1550, 117.6190



118.4980, 130.7130, 15.4570



99.2030, -46.4750, -88.3870



131.2080, -129.7050, -11.6970

Rectangle

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



112.2490, 52.1550, 117.6190



86.9610, 121.8060, 83.2940



99.2030, -46.4750, -88.3870



124.7440, -108.7480, -33.5800

Sweetspot

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



112.2490, 52.1550, 117.6190



212.7030, 15.3990, 34.8150



62.0630, -81.1180, 60.4340



102.7370, 8.8910, 20.5950



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.



112.2490, 52.1550, 117.6190



98.7370, 57.0130, 128.7010



107.6270, 93.9280, 92.9360



119.7710, 2.3830, 6.3750



74.0990, 42.9890, 96.5010



24.6380, 14.0240, 32.2000

Inverse Universe

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



93.9470, 132.4480, 55.6160



78.7530, 144.9180, 60.9020



169.3730, -93.9280, -92.9360



119.0010, 7.4270, 3.0670



58.9330, 108.7000, 45.4680



19.7060, 36.5390, 15.1230

Previews

White Background



This preview shows how the YIQ color 112.2490, 52.1550, 117.6190 looks on a white background.

Color Contrast Check

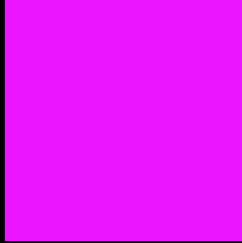
Large Text (above 18pt) WCAG AA ✓ Pass

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 112.2490, 52.1550, 117.6190 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 112.2490, 52.1550, 117.6190

Background



This preview shows how black text looks on a background with the YIQ color 112.2490, 52.1550, 117.6190.



This preview shows how white text looks on a background with the YIQ color 112.2490, 52.1550,

117.6190.

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

112.2490, 52.1550, 117.6190

Protanopia

130.4410, -74.8760, 24.3880

Deuteranopia

126.8820, -80.9720, 13.7160



Tritanopia

136.7810, 67.4850, 26.9810

Trichromacy



Original Color

112.2490, 52.1550, 117.6190



Protanomaly

124.0150, -28.4370, 58.3390



Deuteranomaly

121.3470, -32.6080, 51.3280



Tritanomaly

127.5940, 62.0230, 59.9030

Monochromacy



Original Color

112.2490, 52.1550, 117.6190



Achromatopsia

112.0000, -0.0000, 0.0000



Achromatomaly

112.0120, 19.2030, 42.9710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.2490, 52.1550, 117.6190 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(235, 22, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 22, 255)  
}
```

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(235, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 22, 255) }
```

Border

The CSS property to change the border of an element to YIQ 112.2490, 52.1550, 117.6190 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(235, 22, 255) }
```


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

```
.border{ border-color:rgb(235, 22, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 22, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 22,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 112.2490, 52.1550, 117.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 22, 255) }
```

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

```
.background{ background-color: rgb(235, 22,  
255) }
```

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