

Converting Colors

YIQ(128.7950, 59.1250,
112.4450)

Have a look what the booklet for
YIQ(128.7950, 59.1250, 112.4450)
contains.

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Color

**YIQ(128.7950, 59.1250,
112.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	FF28FF
RGB	255, 40, 255
RGB Percent	100%, 16%, 100%
CMY	0.0000, 0.8434, 0.0000
CMYK	0.00, 0.84, 0.00, 0.00
HSL	300°, 100%, 58%
HSV	300°, 84%, 100%
XYZ	60.0458, 29.9915, 97.2319
YIQ	128.7950, 59.1250, 112.4450

Conversions

Conversions Part 2

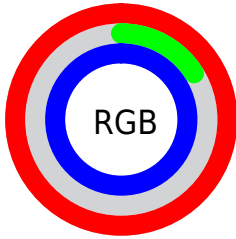
Format	Color
R _Y B	255, 40, 255
Decimal	16722175
CIE Lab	61.65, 94.34, -58.72
CIE LCh	62, 111.124, 328.101
Yxy	29.9915, 0.3206, 0.1602
Android (android.graphics.Color)	4294912255 (0xFFFF28FF)
YUV	128.7950, 62.2191, 110.6818
Hunter-Lab	54.7645, 99.8758, -66.9315

Details

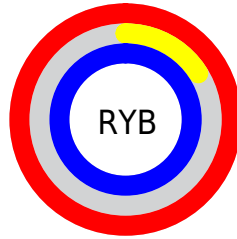
The YIQ color **128.7950, 59.1250, 112.4450** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **166.2050, -59.1250, -112.4450**, and the grayscale version is **128.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **173.9940, 37.9500, 72.1740**, and **80.1650, 51.7910, 102.1830** is the 20% darker color. If you saturate the color by 10%, you get **113.5330, 66.2750, 126.0430**, and if you desaturate by 10%, it is **143.4700, 52.2500, 99.3700**.

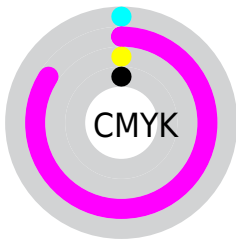
Distribution



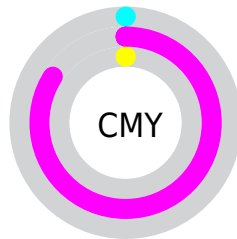
- Red (100%)
- Green (16%)
- Blue (100%)



- Red (100%)
- Yellow (16%)
- Blue (100%)



- Cyan (0%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 128.7950, 59.1250, 112.4450 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 128.7950, 59.1250, 112.4450 by changing the saturation by 10% instead.


 128.7950, 59.1250,
112.4450

 128.7950, 59.1250,
112.4450


255.0000, -0.0000,
-0.0000


 92.7400, 60.9580,
117.7740


 173.9940, 37.9500,
72.1740


 80.1650, 51.7910,
102.1830


 192.7780, 29.1500,
55.4380

 68.1170, 42.5780,
87.4260


 210.9750, 20.6250,
39.2250

 55.9550, 33.6860,
72.3580

 229.1720, 12.1000,
23.0120

 44.3200, 24.7480,
58.1240

 247.3690, 3.5750,
6.7990

 32.7990, 15.4890,
44.2010

 20.6800, 5.0380,

29.8540

■ 5.7990, -12.0150,
14.0090

■ 2.9810, -7.0160,
6.0080

■ 128.7950, 59.1250,
112.4450

■ 128.7950, 59.1250,
112.4450

■ 113.5330, 66.2750,
126.0430

■ 143.4700, 52.2500,
99.3700

■ 105.3150, 70.1250,
133.3650

■ 158.7320, 45.1000,
85.7720

■ 173.4070, 38.2250,
72.6970

■ 188.6690, 31.0750,
59.0990

203.3440, 24.2000,
46.0240

218.6060, 17.0500,
32.4260

233.2810, 10.1750,
19.3510

248.5430, 3.0250,
5.7530

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



131.7470, -57.8220, 34.7060



128.7950, 59.1250, 112.4450



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.



128.7950, 59.1250, 112.4450



140.1420, 71.2560, -35.8800



137.7160, -128.7400, -23.6840

Complementary

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



128.7950, 59.1250, 112.4450



166.2050, -59.1250, -112.4450

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.



125.1420, -96.0900, -53.7380



128.7950, 59.1250, 112.4450



124.6180, 4.1850, -70.3670

Square

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



128.7950, 59.1250, 112.4450



132.0100, 125.8550, 4.3750



108.1850, -55.2320, -89.3760



136.4910, -132.1800, -16.4040

Rectangle

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



128.7950, 59.1250, 112.4450



87.1890, 121.1640, 83.9160



108.1850, -55.2320, -89.3760



134.0680, -118.4680, -33.6360

Sweetspot

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



128.7950, 59.1250, 112.4450



217.4320, 17.6000, 33.4720



64.5100, -69.0150, 66.8650



105.1070, 10.7250, 20.3970



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.



128.7950, 59.1250, 112.4450



105.3150, 70.1250, 133.3650



116.4830, 93.7930, 78.8570



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720

Inverse Universe

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



128.7950, 59.1250, 112.4450



105.3150, 70.1250, 133.3650



178.4030, -93.4720, -79.1680



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720

Previews

White Background



This preview shows how the YIQ color 128.7950, 59.1250, 112.4450 looks on a white background.

Color Contrast Check

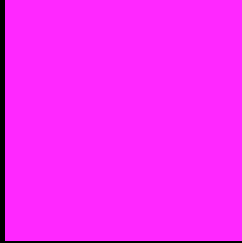
Large Text (above 18pt) WCAG AA ✓ Pass

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 128.7950, 59.1250, 112.4450 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 128.7950, 59.1250, 112.4450

Background



This preview shows how black text looks on a background with the YIQ color 128.7950, 59.1250, 112.4450.



This preview shows how white text looks on a background with the YIQ color 128.7950, 59.1250,

112.4450.

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

128.7950, 59.1250, 112.4450

Protanopia

144.3730, -63.0010, 23.9350

Deuteranopia

142.9290, -61.9910, 16.6410



Tritanopia

145.8640, 77.6170, 30.5850

Trichromacy



Original Color

128.7950, 59.1250, 112.4450



Protanomaly

138.5230, -18.3040, 56.4160



Deuteranomaly

137.6600, -17.4320, 51.6240



Tritanomaly

139.4980, 71.1010, 60.5810

Monochromacy



Original Color

128.7950, 59.1250, 112.4450



Achromatopsia

129.0000, 0.0000, 0.0000



Achromatomaly

129.2140, 21.4500, 40.7940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 128.7950, 59.1250, 112.4450 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(255, 40, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 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(255, 40, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 255) }
```

Border

The CSS property to change the border of an element to YIQ 128.7950, 59.1250, 112.4450 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(255, 40, 255) }
```


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

```
.border{ border-color:rgb(255, 40, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 128.7950, 59.1250, 112.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 255) }
```

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

```
.background{ background-color: rgb(255, 40,  
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](#).

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