

Converting Colors

YIQ(128.9820, 73.7550, 89.5870)

Have a look what the booklet for
YIQ(128.9820, 73.7550, 89.5870)
contains.

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Color

**YIQ(128.9820, 73.7550,
89.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33C8
RGB	255, 51, 200
RGB Percent	100%, 20%, 78%
CMY	0.0000, 0.8003, 0.2155
CMYK	0.00, 0.80, 0.22, 0.00
HSL	316°, 100%, 60%
HSV	316°, 80%, 100%
XYZ	52.8507, 27.7924, 57.2502
YIQ	128.9820, 73.7550, 89.5870

Conversions

Conversions Part 2

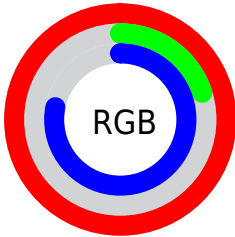
Format	Color
R _Y B	255, 51, 200
Decimal	16724936
CIE _{Lab}	59.70, 84.86, -30.91
CIE _{LCh}	60, 90.313, 339.989
Yxy	27.7924, 0.3833, 0.2016
Android (android.graphics.Color)	4294915016 (0xFFFF33C8)
YUV	128.9820, 35.0119, 110.5178
Hunter-Lab	52.7185, 86.6901, -27.4836

Details

The YIQ color **128.9820, 73.7550, 89.5870** 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 **177.0180, -73.7550, -89.5870**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **176.3420, 36.8500, 70.0820**, and **74.6500, 68.7580, 86.5340** is the 20% darker color. If you saturate the color by 10%, you get **112.9220, 83.1520, 101.0080**, and if you desaturate by 10%, it is **144.4550, 64.6330, 78.6890**.

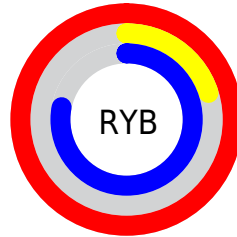
Distribution



Red (100%)

Green (20%)

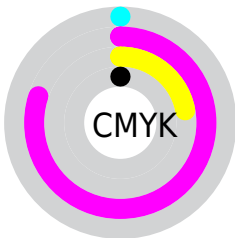
Blue (78%)



Red (100%)

Yellow (20%)

Blue (78%)

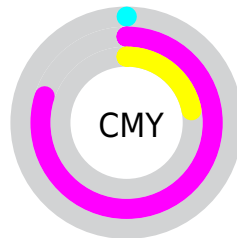


Cyan (0%)

Magenta (80%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 128.9820, 73.7550, 89.5870 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 128.9820, 73.7550, 89.5870 by changing the saturation by 10% instead.


 128.9820, 73.7550,
89.5870


 128.9820, 73.7550,
89.5870


255.0000, -0.0000,
-0.0000


 86.6980, 77.9710,
101.2910


 175.7550, 37.1250,
70.6050


 74.6500, 68.7580,
86.5340


 193.9520, 28.6000,
54.3920


 62.4170, 58.6280,
71.8760


 212.1490, 20.0750,
38.1790

 50.8960, 49.3690,
57.9530

 229.7590, 11.8250,
22.4890

 39.1900, 39.1930,
44.1290

 247.9560, 3.3000,
6.2760

 28.4950, 30.4840,
31.2520

 16.7180, 19.0700,

17.8380

■ 0.0000, 0.0000,
0.0000

■ 128.9820, 73.7550,
89.5870

■ 128.9820, 73.7550,
89.5870

■ 112.9220, 83.1520,
101.0080

■ 144.4550, 64.6330,
78.6890

■ 97.4490, 92.2740,
111.9060

■ 160.5150, 55.2360,
67.2680

■ 175.9880, 46.1140,
56.3700

■ 192.0480, 36.7170,
44.9490

■ 207.4070, 27.9160,
33.7400

■ 223.4670, 18.5190,
22.3190

■ 238.9400, 9.3970,
11.4210

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.



144.2040, -6.9800, 60.4440



128.9820, 73.7550, 89.5870



94.7350, 110.9390, 87.5070

Triad

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



128.9820, 73.7550, 89.5870



132.3130, 48.4250, -46.1270



131.2420, -127.0450, -15.8530

Complementary

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



128.9820, 73.7550, 89.5870



177.0180, -73.7550, -89.5870

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.



123.1650, -102.9240, -40.0120



128.9820, 73.7550, 89.5870



112.6910, -15.2540, -76.0060

Square

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



128.9820, 73.7550, 89.5870



134.4370, 96.0110, -16.4450



111.8280, -75.1350, -64.5670



127.0990, -127.7800, -8.0360

Rectangle

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



128.9820, 73.7550, 89.5870



115.9230, 114.6600, 47.5880



111.8280, -75.1350, -64.5670



129.2070, -119.9370, -23.5290

Sweetspot

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



128.9820, 73.7550, 89.5870



217.3690, 21.9110, 26.9270



90.4020, -33.3000, 74.8920



105.1410, 13.3850, 16.2410



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.



128.9820, 73.7550, 89.5870



103.6610, 88.5610, 107.6090



117.4680, 106.1760, 58.1760



119.9130, 4.8590, 5.5550



73.0690, 68.8960, 84.0320



24.4940, 23.0570, 28.1850

Inverse Universe

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



128.9820, 73.7550, 89.5870



103.6610, 88.5610, 107.6090



188.5320, -106.1760, -58.1760



119.9130, 4.8590, 5.5550



73.0690, 68.8960, 84.0320



24.4940, 23.0570, 28.1850

Previews

White Background



This preview shows how the YIQ color 128.9820, 73.7550, 89.5870 looks on a white background.

Color Contrast Check

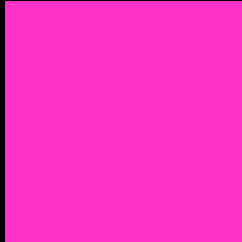
Large Text (above 18pt) WCAG AA ✓ Pass

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 128.9820, 73.7550, 89.5870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

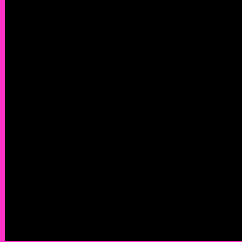
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 128.9820, 73.7550, 89.5870

Background



This preview shows how black text looks on a background with the YIQ color 128.9820, 73.7550, 89.5870.



This preview shows how white text looks on a background with the YIQ color 128.9820, 73.7550,

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

128.9820, 73.7550, 89.5870

Protanopia

138.1600, -66.7150, 25.1650

Deuteranopia

144.8520, -19.5340, 12.6100



Tritanopia

137.2140, 91.3710, 34.6270

Trichromacy



Original Color

128.9820, 73.7550, 89.5870



Protanomaly

135.0360, -15.7350, 48.4010



Deuteranomaly

139.0930, 14.4810, 40.4410



Tritanomaly

134.2250, 84.8110, 54.4030

Monochromacy



Original Color

128.9820, 73.7550, 89.5870



Achromatopsia

129.0000, 0.0000, 0.0000



Achromatomaly

129.2820, 26.7700, 32.4820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 128.9820, 73.7550, 89.5870 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, 51, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 200)  
}
```

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, 51, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 200) }
```

Border

The CSS property to change the border of an element to YIQ 128.9820, 73.7550, 89.5870 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, 51, 200) }
```


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

```
.border{ border-color:rgb(255, 51, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
200) }
```

Background

The CSS property to change the background color of an element to YIQ 128.9820, 73.7550, 89.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 200) }
```

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

```
.background{ background-color: rgb(255, 51,  
200) }
```

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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