

Converting Colors

YIQ(78.8830, 52.5250, 99.8930)

Have a look what the booklet for
YIQ(78.8830, 52.5250, 99.8930)
contains.

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Color

**YIQ(78.8830, 52.5250,
99.8930)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00BF
RGB	191, 0, 191
RGB Percent	75%, 0%, 75%
CMY	0.2504, 0.9999, 0.2509
CMYK	0.00, 1.00, 0.00, 0.25
HSL	300°, 100%, 37%
HSV	300°, 100%, 75%
XYZ	30.9283, 14.8576, 50.5368
YIQ	78.8830, 52.5250, 99.8930

Conversions

Conversions Part 2

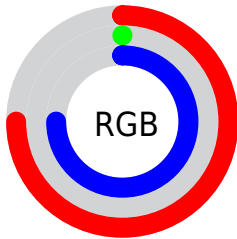
Format	Color
R_{YB}	191, 0, 191
Decimal	12517567
CIE _{Lab}	45.44, 79.09, -48.92
CIE _{LCh}	45, 92.995, 328.260
Yxy	14.8576, 0.3211, 0.1542
Android (android.graphics.Color)	4290707647 (0xFFBF00BF)
YUV	78.8830, 55.2737, 98.3266
Hunter-Lab	38.5456, 75.7707, -50.7528

Details

The YIQ color **78.8830, 52.5250, 99.8930** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **112.1170, -52.5250, -99.8930**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.1510, 45.2380, 83.2700**, and **55.3850, 35.2910, 70.8030** is the 20% darker color. If you saturate the color by 10%, you get **78.8830, 52.5250, 99.8930**, and if you desaturate by 10%, it is **90.0360, 47.3000, 89.9560**.

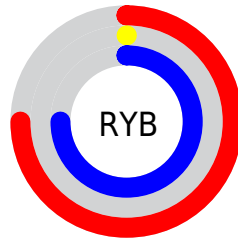
Distribution



Red (75%)

Green (0%)

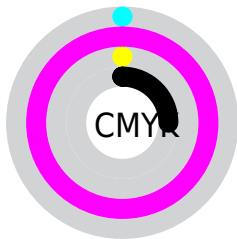
Blue (75%)



Red (75%)

Yellow (0%)

Blue (75%)

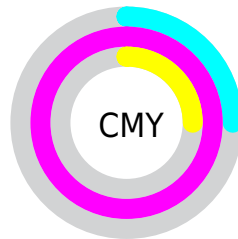


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.8830, 52.5250, 99.8930 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 78.8830, 52.5250, 99.8930 by changing the saturation by 10% instead.


 78.8830, 52.5250,
99.8930


 78.8830, 52.5250,
99.8930


255.0000, -0.0000,
-0.0000


 67.0200, 44.2290,
85.0370


 156.1510, 45.2380,
83.2700


 55.3850, 35.2910,
70.8030


 175.7550, 37.1250,
70.6050


 43.7500, 26.3530,
56.5690


 193.3650, 28.8750,
54.9150

 32.5280, 17.6900,
42.8580

 210.3880, 20.9000,
39.7480

 21.7190, 9.3020,
29.6700

 227.9980, 12.6500,
24.0580

 7.9200, -5.0460,
14.3620

 245.6080, 4.4000,

 2.2970, -5.0900,

8.3680

4.1420

■ 0.0000, 0.0000,
0.0000

■ 78.8830, 52.5250,
99.8930

■ 90.0360, 47.3000,
89.9560

■ 101.1890, 42.0750,
80.0190

■ 112.3420, 36.8500,
70.0820

■ 123.4950, 31.6250,
60.1450

■ 135.2350, 26.1250,
49.6850

■ 146.3880, 20.9000,
39.7480

■ 157.5410, 15.6750,
29.8110

■ 168.6940, 10.4500,
19.8740

■ 179.8470, 5.2250,
9.9370

Harmonies

Analogous

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



99.0530, -67.1310, 43.7250



78.8830, 52.5250, 99.8930



82.8910, 101.6320, 85.4720

Triad

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



78.8830, 52.5250, 99.8930



101.4130, 51.8600, -25.7720



101.5260, -95.7300, -16.1940

Complementary

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



78.8830, 52.5250, 99.8930



112.1170, -52.5250, -99.8930

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.



91.3460, -69.8210, -39.7170



78.8830, 52.5250, 99.8930



88.3470, -1.6410, -52.8810

Square

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



78.8830, 52.5250, 99.8930



95.2750, 97.4280, 7.4440



77.4840, -36.3000, -69.0360



106.2460, -114.5320, 5.1800

Rectangle

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



78.8830, 52.5250, 99.8930



77.3760, 118.5990, 69.8230



77.4840, -36.3000, -69.0360



98.0890, -87.4300, -23.4460

Sweetspot

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



78.8830, 52.5250, 99.8930



203.5620, 20.3500, 38.7020



21.7740, -61.3110, 59.4010



98.5850, 12.3750, 23.5350



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



78.8830, 52.5250, 99.8930



102.0110, 67.9250, 129.1810



68.0530, 83.0200, 70.3480



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Inverse Universe

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



78.8830, 52.5250, 99.8930



102.0110, 67.9250, 129.1810



123.0610, -83.3410, -70.0370



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Previews

White Background



This preview shows how the YIQ color 78.8830, 52.5250, 99.8930 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

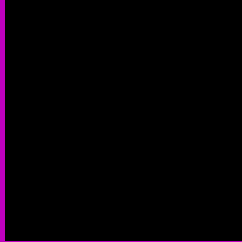
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.8830, 52.5250, 99.8930

Background



This preview shows how black text looks on a background with the YIQ color 78.8830, 52.5250, 99.8930.



This preview shows how white text looks on a background with the YIQ color 78.8830, 52.5250,

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

78.8830, 52.5250, 99.8930

Protanopia

87.7580, -101.0540, 14.2260

Deuteranopia

104.8240, -48.6940, 12.4420



Tritanopia

106.6660, 60.3790, 23.6030

Trichromacy



Original Color

78.8830, 52.5250, 99.8930



Protanomaly

84.4270, -44.7570, 45.7310



Deuteranomaly

95.5540, -11.5620, 44.3580



Tritanomaly

96.5730, 57.3480, 51.0120

Monochromacy



Original Color

78.8830, 52.5250, 99.8930



Achromatopsia

79.0000, -0.0000, 0.0000



Achromatomaly

78.9100, 19.2500, 36.6100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.8830, 52.5250, 99.8930 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(191, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 191)  
}
```

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(191, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 191) }
```

Border

The CSS property to change the border of an element to YIQ 78.8830, 52.5250, 99.8930 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(191, 0, 191) }
```


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

```
.border{ border-color:rgb(191, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
191) }
```

Background

The CSS property to change the background color of an element to YIQ 78.8830, 52.5250, 99.8930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 191) }
```

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

```
.background{ background-color: rgb(191, 0,  
191) }
```

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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