

Converting Colors

YIQ(78.8950, 41.9420, 54.8860)

Have a look what the booklet for
YIQ(78.8950, 41.9420, 54.8860)
contains.

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Color

**YIQ(78.8950, 41.9420,
54.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	99207E
RGB	153, 32, 126
RGB Percent	60%, 13%, 49%
CMY	0.3997, 0.8747, 0.5058
CMYK	0.00, 0.79, 0.18, 0.40
HSL	313°, 65%, 36%
HSV	313°, 79%, 60%
XYZ	17.4361, 9.3182, 20.6263
YIQ	78.8950, 41.9420, 54.8860

Conversions

Conversions Part 2

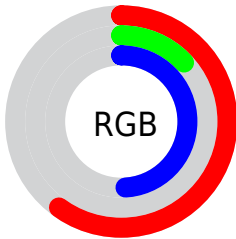
Format	Color
R_{YB}	153, 32, 126
Decimal	10035326
CIE _{Lab}	36.59, 57.42, -24.19
CIE _{LCh}	37, 62.310, 337.154
Yxy	9.3182, 0.3680, 0.1967
Android (android.graphics.Color)	4288225406 (0xFF99207E)
YUV	78.8950, 23.2228, 64.9901
Hunter-Lab	30.5257, 48.5384, -18.6945

Details

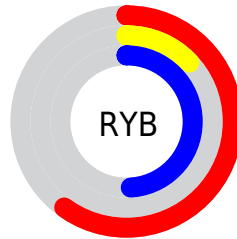
The YIQ color **78.8950, 41.9420, 54.8860** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **106.1050, -41.9420, -54.8860**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **136.6130, 42.6760, 52.5960**, and **38.0800, 33.6910, 44.7230** is the 20% darker color. If you saturate the color by 10%, you get **69.7480, 47.0300, 61.7980**, and if you desaturate by 10%, it is **88.0420, 36.8540, 47.9740**.

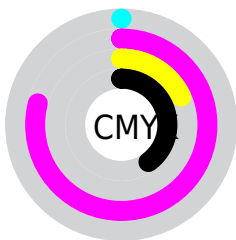
Distribution



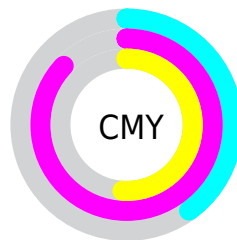
- Red (60%)
- Green (13%)
- Blue (49%)



- Red (60%)
- Yellow (13%)
- Blue (49%)



- Cyan (0%)
- Magenta (79%)
- Yellow (18%)
- Black (40%)





- Cyan (40%)
- Magenta (87%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.8950, 41.9420, 54.8860 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 78.8950, 41.9420, 54.8860 by changing the saturation by 10% instead.


 78.8950, 41.9420,
54.8860


 78.8950, 41.9420,
54.8860


255.0000, -0.0000,
-0.0000


 48.8890, 42.0790,
57.9110


 136.9120, 43.2720,
52.8080


 38.0800, 33.6910,
44.7230


 164.6240, 44.1430,
53.5430


 27.3850, 24.9820,
31.8460

 188.7370, 36.3950,
50.7870

 17.4020, 17.1440,
19.7040

 207.4530, 22.2750,
42.3630

 0.3420, -0.9630,
0.9330

 224.4760, 14.3000,
27.1960

 0.0000, 0.0000,
0.0000

 241.4990, 6.3250,

12.0290

■ 78.8950, 41.9420,
54.8860

■ 78.8950, 41.9420,
54.8860

■ 69.7480, 47.0300,
61.7980

■ 88.0420, 36.8540,
47.9740

■ 59.9000, 52.7140,
68.9220

■ 97.8900, 31.1700,
40.8500

■ 59.3130, 52.9890,
69.4450

■ 107.0370, 26.0820,
33.9380

■ 116.2980, 20.6730,
27.3370

■ 126.0320, 15.3100,
19.9020

■ 135.2930, 9.9010,
13.3010

■ 144.4400, 4.8130,
6.3890

■ 153.5870, -0.2750,
-0.5230

■ 163.4350, -5.9590,
-7.6470

Harmonies

Analogous

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



87.3810, -12.7530, 38.4070



78.8950, 41.9420, 54.8860



62.1410, 76.4200, 57.7960

Triad

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



78.8950, 41.9420, 54.8860



80.0610, 32.4200, -25.8840



79.4530, -76.2910, -10.5550

Complementary

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



78.8950, 41.9420, 54.8860



106.1050, -41.9420, -54.8860

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.



73.8670, -60.5620, -25.7940



78.8950, 41.9420, 54.8860



69.1760, -5.1730, -43.9330

Square

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



78.8950, 41.9420, 54.8860



80.2810, 61.7600, -6.9440



66.6510, -42.9990, -41.2310



80.2800, -85.5090, 2.3230

Rectangle

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



78.8950, 41.9420, 54.8860



71.0970, 78.5790, 35.1790



66.6510, -42.9990, -41.2310



77.7430, -71.4760, -15.2200

Sweetspot

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



78.8950, 41.9420, 54.8860



169.5700, 16.7310, 21.6830



53.5680, -23.3450, 43.1430



81.8800, 9.6260, 12.7780



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



78.8950, 41.9420, 54.8860



83.2690, 65.4570, 85.7850



72.0550, 61.2020, 36.2260



72.0760, 2.8420, 3.5620



54.2860, 48.4510, 63.5790



5.0270, 4.5380, 5.8660

Inverse Universe

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



78.8950, 41.9420, 54.8860



83.2690, 65.4570, 85.7850



112.9450, -61.2020, -36.2260



72.0760, 2.8420, 3.5620



54.2860, 48.4510, 63.5790



5.0270, 4.5380, 5.8660

Previews

White Background



This preview shows how the YIQ color 78.8950, 41.9420, 54.8860 looks on a white background.

Color Contrast Check

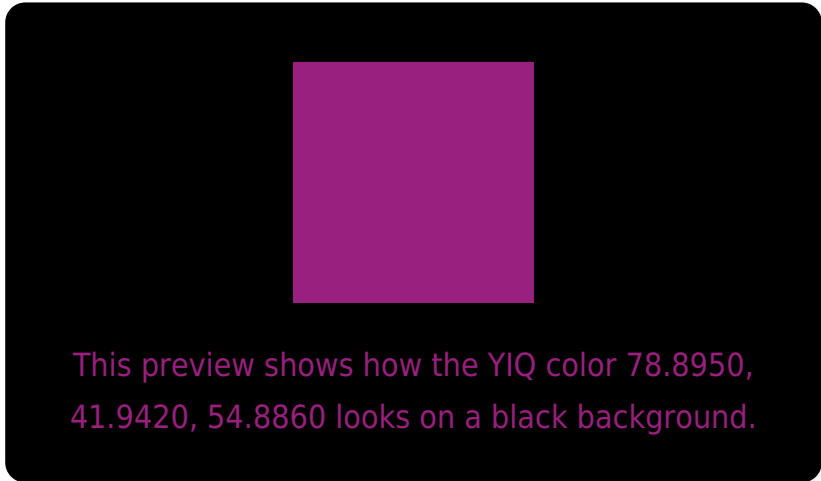
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

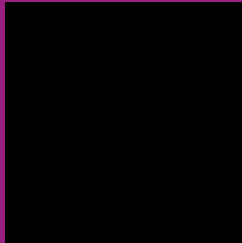
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.8950, 41.9420, 54.8860

Background



This preview shows how black text looks on a background with the YIQ color 78.8950, 41.9420, 54.8860.



This preview shows how white text looks on a background with the YIQ color 78.8950, 41.9420,

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

78.8950, 41.9420, 54.8860

Protanopia

80.5230, -54.9760, 16.1600

Deuteranopia

87.3700, -15.3610, 8.5670



Tritanopia

83.6650, 52.9520, 20.5360

Trichromacy



Original Color

78.8950, 41.9420, 54.8860

Protanomaly

80.1040, -19.5830, 30.0250

Deuteranomaly

84.0450, 5.2680, 25.6840

Tritanomaly

81.7160, 48.9150, 33.1310

Monochromacy



Original Color

78.8950, 41.9420, 54.8860

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

79.0320, 15.3100, 19.9020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.8950, 41.9420, 54.8860 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(153, 32, 126)` looks like.

```
.text, #text, p{  
    color:rgb(153, 32, 126)  
}
```

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(153, 32, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 32, 126) }
```

Border

The CSS property to change the border of an element to YIQ 78.8950, 41.9420, 54.8860 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(153, 32, 126) }
```


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

```
.border{ border-color:rgb(153, 32, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 32, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 32, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 32, 126);  
box-shadow:4px 4px 4px 4px rgb(153, 32,  
126) }
```

Background

The CSS property to change the background color of an element to YIQ 78.8950, 41.9420, 54.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 32, 126) }
```

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

```
.background{ background-color: rgb(153, 32,  
126) }
```

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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