

Converting Colors

YIQ(89.5980, 20.6690, 49.4450)

Have a look what the booklet for
YIQ(89.5980, 20.6690, 49.4450)
contains.

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Color

**YIQ(89.5980, 20.6690,
49.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	8C3497
RGB	140, 52, 151
RGB Percent	55%, 20%, 59%
CMY	0.4507, 0.7962, 0.4078
CMYK	0.07, 0.66, 0.00, 0.41
HSL	293°, 49%, 40%
HSV	293°, 66%, 59%
XYZ	17.6392, 10.2686, 30.3311
YIQ	89.5980, 20.6690, 49.4450

Conversions

Conversions Part 2

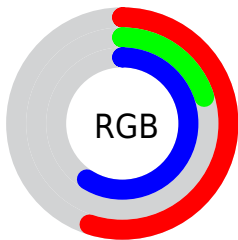
Format	Color
R_{YB}	140, 52, 151
Decimal	9188503
CIE _{Lab}	38.32, 51.06, -36.96
CIE _{LCh}	38, 63.037, 324.099
Yxy	10.2686, 0.3029, 0.1763
Android (android.graphics.Color)	4287378583 (0xFF8C3497)
YUV	89.5980, 30.2712, 44.2026
Hunter-Lab	32.0446, 42.1789, -33.6883

Details

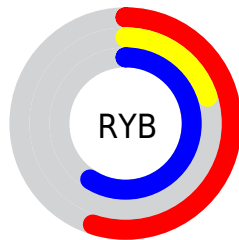
The YIQ color **89.5980, 20.6690, 49.4450** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **113.4020, -20.6690, -49.4450**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.7230, 21.8150, 50.7030**, and **37.0000, 19.4770, 49.0210** is the 20% darker color. If you saturate the color by 10%, you get **80.1950, 23.6020, 56.8660**, and if you desaturate by 10%, it is **99.0010, 17.7360, 42.0240**.

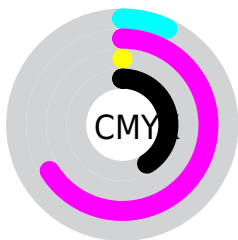
Distribution



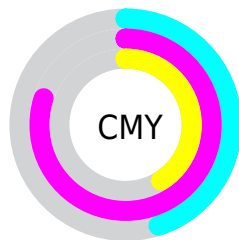
- Red (55%)
- Green (20%)
- Blue (59%)



- Red (55%)
- Yellow (20%)
- Blue (59%)



- Cyan (7%)
- Magenta (66%)
- Yellow (0%)
- Black (41%)





- Cyan (45%)
- Magenta (80%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.5980, 20.6690, 49.4450 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 89.5980, 20.6690, 49.4450 by changing the saturation by 10% instead.


 89.5980, 20.6690,
49.4450


 89.5980, 20.6690,
49.4450

255.0000, -0.0000,
-0.0000


 61.5380, 20.8980,
50.8020

 143.7230, 21.8150,
50.7030


 37.0000, 19.4770,
49.0210


 171.4350, 22.6860,
51.4380


 26.4900, 11.6850,
36.0450

 198.3490, 25.8040,
49.9960

 17.2900, 5.9560,
24.2280

 215.0840, 18.7000,
35.5640

 3.8930, -9.5840,
8.4960

 231.5200, 11.0000,
20.9200

 0.0000, 0.0000,
0.0000

 249.1300, 2.7500,

5.2300

■ 89.5980, 20.6690,
49.4450

■ 89.5980, 20.6690,
49.4450

■ 80.1950, 23.6020,
56.8660

■ 99.0010, 17.7360,
42.0240

■ 71.0910, 27.1310,
64.4990

■ 108.1050, 14.2070,
34.3910

■ 61.6880, 30.0640,
71.9200

■ 117.5080, 11.2740,
26.9700

■ 57.2800, 31.3930,
75.3690

■ 126.9110, 8.3410,
19.5490

■ 136.0150, 4.8120,
11.9160

■ 146.0050, 1.6040,
3.9720

■ 155.4080, -1.3290,
-3.4490

■ 164.5120, -4.8580,
-11.0820

■ 173.9150, -7.7910,
-18.5030

Harmonies

Analogous

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



85.3810, -48.2840, 27.0440



89.5980, 20.6690, 49.4450



73.4480, 65.3700, 59.8180

Triad

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



89.5980, 20.6690, 49.4450



85.4760, 47.5490, -19.2270



80.6780, -72.8510, -17.8350

Complementary

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



89.5980, 20.6690, 49.4450



113.4020, -20.6690, -49.4450

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.



74.0490, -55.5630, -33.7950



89.5980, 20.6690, 49.4450



79.9290, 14.8160, -37.2480

Square

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



89.5980, 20.6690, 49.4450



82.1520, 75.6050, 0.9570



65.3170, -36.4870, -49.1190



83.7050, -85.5080, -3.2040

Rectangle

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



89.5980, 20.6690, 49.4450



71.0670, 79.2640, 50.3040



65.3170, -36.4870, -49.1190



78.7400, -67.3940, -23.1220

Sweetspot

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



89.5980, 20.6690, 49.4450



171.9110, 8.3410, 19.5490



70.3300, -35.0790, 24.5130



84.9010, 5.1330, 11.6050



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.



89.5980, 20.6690, 49.4450



99.9320, 32.4930, 77.4610



88.5550, 39.4230, 39.9590



72.0050, 1.6040, 3.9720



53.3350, 29.5600, 70.0400



4.7710, 2.3830, 6.3750

Inverse Universe

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



82.8550, 55.4730, 24.4090



89.2830, 86.9230, 38.1470



114.4450, -39.4230, -39.9590



71.5060, 4.4470, 2.0070



43.5700, 78.6250, 34.3450



4.0010, 7.4270, 3.0670

Previews

White Background



This preview shows how the YIQ color 89.5980, 20.6690, 49.4450 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



This preview shows how the YIQ color 89.5980, 20.6690, 49.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

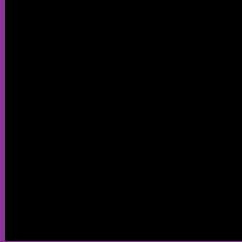
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.5980, 20.6690, 49.4450

Background



This preview shows how black text looks on a background with the YIQ color 89.5980, 20.6690, 49.4450.



This preview shows how white text looks on a background with the YIQ color 89.5980, 20.6690,

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

89.5980, 20.6690, 49.4450

Protanopia

76.7470, -76.1580, 14.5780

Deuteranopia

88.0720, -34.8930, 10.1230



Tritanopia

91.6130, 32.3670, 13.6390

Trichromacy



Original Color

89.5980, 20.6690, 49.4450

Protanomaly

81.3880, -40.9940, 27.0860

Deuteranomaly

88.8670, -14.7220, 24.5260

Tritanomaly

90.7780, 28.0090, 26.5450

Monochromacy



Original Color

89.5980, 20.6690, 49.4450

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.6720, 7.5160, 17.9800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.5980, 20.6690, 49.4450 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(140, 52, 151)` looks like.

```
.text, #text, p{  
    color:rgb(140, 52, 151)  
}
```

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(140, 52, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 52, 151) }
```

Border

The CSS property to change the border of an element to YIQ 89.5980, 20.6690, 49.4450 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(140, 52, 151) }
```


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

```
.border{ border-color:rgb(140, 52, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 52, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 52, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 52, 151);  
box-shadow:4px 4px 4px 4px rgb(140, 52,  
151) }
```

Background

The CSS property to change the background color of an element to YIQ 89.5980, 20.6690, 49.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 52, 151) }
```

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

```
.background{ background-color: rgb(140, 52,  
151) }
```

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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