

Converting Colors

YIQ(89.8620, 47.8500, 91.0020)

Have a look what the booklet for
YIQ(89.8620, 47.8500, 91.0020)
contains.

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Color

**YIQ(89.8620, 47.8500,
91.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	C012C0
RGB	192, 18, 192
RGB Percent	75%, 7%, 75%
CMY	0.2465, 0.9296, 0.2470
CMYK	0.00, 0.91, 0.00, 0.25
HSL	300°, 83%, 41%
HSV	300°, 91%, 75%
XYZ	31.5031, 15.4605, 51.2011
YIQ	89.8620, 47.8500, 91.0020

Conversions

Conversions Part 2

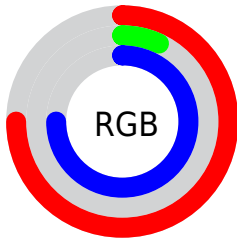
Format	Color
RYB	192, 18, 192
Decimal	12587712
CIELab	46.26, 77.67, -48.18
CIElCh	46, 91.401, 328.186
Yxy	15.4605, 0.3209, 0.1575
Android (android.graphics.Color)	4290777792 (0xFFC012C0)
YUV	89.8620, 50.3540, 89.5750
Hunter-Lab	39.3199, 74.2045, -49.6817

Details

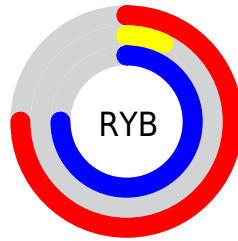
The YIQ color **89.8620, 47.8500, 91.0020** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **120.1380, -47.8500, -91.0020**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **158.9120, 44.4130, 81.7010**, and **55.7980, 35.5660, 71.3260** is the 20% darker color. If you saturate the color by 10%, you get **79.2960, 52.8000, 100.4160**, and if you desaturate by 10%, it is **101.0150, 42.6250, 81.0650**.

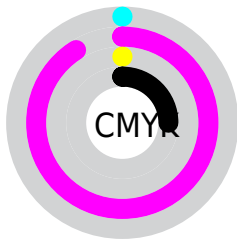
Distribution



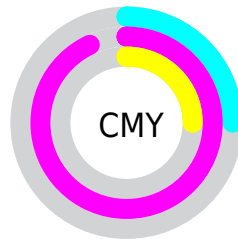
- Red (75%)
- Green (7%)
- Blue (75%)



- Red (75%)
- Yellow (7%)
- Blue (75%)



- Cyan (0%)
- Magenta (91%)
- Yellow (0%)
- Black (25%)



- Cyan (25%)
- Magenta (93%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.8620, 47.8500, 91.0020 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 89.8620, 47.8500, 91.0020 by changing the saturation by 10% instead.

89.8620, 47.8500,
91.0020

89.8620, 47.8500,
91.0020

255.0000, -0.0000,
-0.0000

67.4330, 44.5040,
85.5600

158.9120, 44.4130,
81.7010

55.7980, 35.5660,
71.3260

178.1030, 36.0250,
68.5130

44.1630, 26.6280,
57.0920

195.7130, 27.7750,
52.8230

32.8270, 18.2860,
43.0700

212.7360, 19.8000,
37.6560

22.0180, 9.8980,
29.8820

230.3460, 11.5500,
21.9660

9.2300, -2.9830,
15.5210

247.9560, 3.3000,

2.4110, -5.4110,

6.2760

4.4530

■ 0.0000, 0.0000,
0.0000

■ 89.8620, 47.8500,
91.0020

■ 89.8620, 47.8500,
91.0020

■ 79.2960, 52.8000,
100.4160

■ 101.0150, 42.6250,
81.0650

■ 112.1680, 37.4000,
71.1280

■ 123.9080, 31.9000,
60.6680

■ 135.0610, 26.6750,
50.7310

■ 146.2140, 21.4500,
40.7940

■ 157.3670, 16.2250,
30.8570

■ 168.5200, 11.0000,
20.9200

■ 180.2600, 5.5000,
10.4600

■ 191.4130, 0.2750,
0.5230

Harmonies

Analogous

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



102.0210, -64.1050, 43.9510



89.8620, 47.8500, 91.0020



83.1190, 100.9900, 86.0940

Triad

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



89.8620, 47.8500, 91.0020



103.4840, 53.0980, -26.1820



102.8140, -96.6010, -16.9290

Complementary

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



89.8620, 47.8500, 91.0020



120.1380, -47.8500, -91.0020

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.



92.7480, -71.0130, -40.1410



89.8620, 47.8500, 91.0020



91.0160, 0.7890, -52.8670

Square

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



89.8620, 47.8500, 91.0020



97.6340, 97.7950, 6.2990



79.1140, -38.1340, -68.8380



107.4200, -115.0820, 4.1340

Rectangle

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



89.8620, 47.8500, 91.0020



78.0170, 118.2320, 70.9680



79.1140, -38.1340, -68.8380



99.3770, -88.3010, -24.1810

Sweetspot

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



89.8620, 47.8500, 91.0020



210.0840, 18.7000, 35.5640



37.8360, -55.8540, 54.1140



101.5200, 11.0000, 20.9200



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.



89.8620, 47.8500, 91.0020



103.2500, 68.7500, 130.7500



79.9440, 75.7770, 63.9450



91.1300, 2.7500, 5.2300



66.4930, 44.2750, 84.2030



13.6290, 9.0750, 17.2590

Inverse Universe

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



89.8620, 47.8500, 91.0020



103.2500, 68.7500, 130.7500



130.0560, -75.7770, -63.9450



91.1300, 2.7500, 5.2300



66.4930, 44.2750, 84.2030



13.6290, 9.0750, 17.2590

Previews

White Background



This preview shows how the YIQ color 89.8620, 47.8500, 91.0020 looks on a white background.

Color Contrast Check

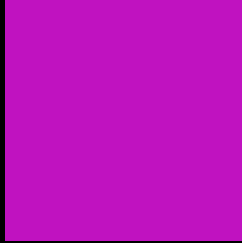
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.8620, 47.8500, 91.0020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

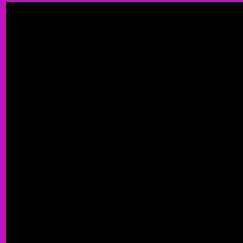
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.8620, 47.8500, 91.0020

Background



This preview shows how black text looks on a background with the YIQ color 89.8620, 47.8500, 91.0020.



This preview shows how white text looks on a background with the YIQ color 89.8620, 47.8500,

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

89.8620, 47.8500, 91.0020

Protanopia

88.5730, -101.9710, 14.3250

Deuteranopia

106.1230, -48.0980, 12.6540



Tritanopia

108.3670, 59.7830, 23.3910

Trichromacy



Original Color

89.8620, 47.8500, 91.0020



Protanomaly

89.3510, -47.5990, 42.1690



Deuteranomaly

100.0760, -13.2120, 41.2200



Tritanomaly

101.7960, 55.1020, 47.6620

Monochromacy



Original Color

89.8620, 47.8500, 91.0020



Achromatopsia

90.0000, -0.0000, -0.0000



Achromatomaly

90.0190, 17.3250, 32.9490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.8620, 47.8500, 91.0020 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(192, 18, 192)` looks like.

```
.text, #text, p{  
    color:rgb(192, 18, 192)  
}
```

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(192, 18, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 18, 192) }
```

Border

The CSS property to change the border of an element to YIQ 89.8620, 47.8500, 91.0020 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(192, 18, 192) }
```


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

```
.border{ border-color:rgb(192, 18, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 18, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 18, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 18, 192);  
box-shadow:4px 4px 4px 4px rgb(192, 18,  
192) }
```

Background

The CSS property to change the background color of an element to YIQ 89.8620, 47.8500, 91.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 18, 192) }
```

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

```
.background{ background-color: rgb(192, 18,  
192) }
```

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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