

Converting Colors

YIQ(112.9760, 11.9980, 79.9500)

Have a look what the booklet for
YIQ(112.9760, 11.9980, 79.9500)
contains.

YIQ(112.9760, 11.9980, 79.9500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(112.9760, 11.9980,
79.9500)**

Conversions

Conversions Part 1

Format	Color
Hex	AE3AEC
RGB	174, 58, 236
RGB Percent	68%, 23%, 93%
CMY	0.3172, 0.7727, 0.0746
CMYK	0.26, 0.75, 0.00, 0.07
HSL	279°, 82%, 58%
HSV	279°, 75%, 93%
XYZ	34.1251, 18.0860, 81.0317
YIQ	112.9760, 11.9980, 79.9500

Conversions

Conversions Part 2

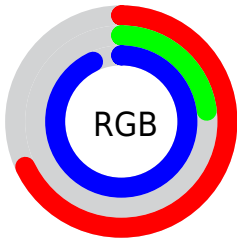
Format	Color
RYB	174, 58, 236
Decimal	11418348
CIELab	49.60, 72.61, -68.14
CIELCh	50, 99.576, 316.820
Yxy	18.0860, 0.2561, 0.1357
Android (android.graphics.Color)	4289608428 (0xFFAE3AEC)
YUV	112.9760, 60.6508, 53.5180
Hunter-Lab	42.5277, 68.8088, -83.2010

Details

The YIQ color **112.9760, 11.9980, 79.9500** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **181.0240, -11.9980, -79.9500**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.1280, 25.7090, 68.2450**, and **54.7910, 11.0810, 80.0490** is the 20% darker color. If you saturate the color by 10%, you get **96.4960, 13.8300, 90.8060**, and if you desaturate by 10%, it is **129.4560, 10.1660, 69.0940**.

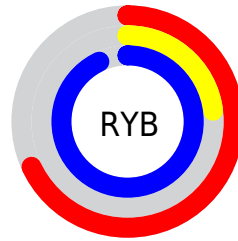
Distribution



Red (68%)

Green (23%)

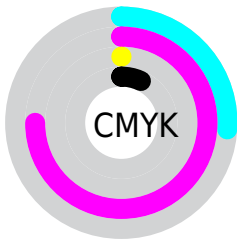
Blue (93%)



Red (68%)

Yellow (23%)

Blue (93%)

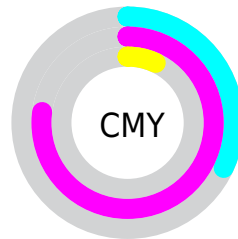


Cyan (26%)

Magenta (75%)

Yellow (0%)

Black (7%)



Cyan (32%)

Magenta (77%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.9760, 11.9980, 79.9500 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 112.9760, 11.9980, 79.9500 by changing the saturation by 10% instead.

112.9760, 11.9980,
79.9500

112.9760, 11.9980,
79.9500

255.0000, -0.0000,
-0.0000

78.6930, 14.4730,
84.6570

167.1280, 25.7090,
68.2450

54.7910, 11.0810,
80.0490

190.4300, 30.2500,
57.5300

42.9280, 2.7850,
65.1930

206.8660, 22.5500,
42.8860

30.6950, -7.3450,
50.5350

223.8890, 14.5750,
27.7190

18.4620, -17.4750,
35.8770

241.4990, 6.3250,
12.0290

8.4360, -23.7540,
23.0140

8.0480, -17.1500,

13.4580

■ 4.3660, -9.5380,
7.6620

■ 0.0000, 0.0000,
0.0000

■ 112.9760, 11.9980,
79.9500

■ 112.9760, 11.9980,
79.9500

■ 96.4960, 13.8300,
90.8060

■ 129.4560, 10.1660,
69.0940

■ 80.6030, 15.3870,
101.1390

■ 145.6480, 9.2050,
58.9730

■ 72.9500, 16.0280,
106.0440

■ 162.1280, 7.3730,
48.1170

■ 178.0210, 5.8160,
37.7840

■ 194.5010, 3.9840,
26.9280

■ 210.9810, 2.1520,
16.0720

■ 227.1730, 1.1910,
5.9510

■ 243.6530, -0.6410,
-4.9050

■ 250.7410, 1.9270,
-7.3930

Harmonies

Analogous

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



95.9880, -113.2050, 19.6830



112.9760, 11.9980, 79.9500



91.0820, 94.3850, 101.1770

Triad

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



112.9760, 11.9980, 79.9500



111.3130, 75.9290, -15.9350



106.8600, -94.2150, -27.1350

Complementary

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



112.9760, 11.9980, 79.9500



181.0240, -11.9980, -79.9500

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.



95.5400, -65.0960, -53.7680



112.9760, 11.9980, 79.9500



105.3240, 23.5290, -46.4790

Square

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



112.9760, 11.9980, 79.9500



91.9510, 125.4840, 27.6280



83.3540, -39.0500, -74.2660



115.0510, -118.6570, -2.6650

Rectangle

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



112.9760, 11.9980, 79.9500



87.9870, 118.9170, 86.0930



83.3540, -39.0500, -74.2660



103.5540, -84.9060, -36.1540

Sweetspot

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



112.9760, 11.9980, 79.9500



214.3870, 4.3050, 26.6170



114.6860, -74.1880, 22.9320



102.9810, 2.1520, 16.0720



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.



112.9760, 11.9980, 79.9500



94.5970, 15.5240, 104.1640



128.4360, 57.6170, 84.6970



109.3470, 0.6410, 4.9050



55.9160, 12.2270, 81.3070



16.6210, 3.5260, 24.2140

Inverse Universe

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



118.2900, 86.1860, 57.0180



101.6020, 112.2710, 74.3750



165.5640, -57.6170, -84.6970



109.7450, 5.2720, 3.5760



61.3010, 87.6530, 57.9650



18.3120, 26.0850, 17.3570

Previews

White Background



This preview shows how the YIQ color 112.9760, 11.9980, 79.9500 looks on a white background.

Color Contrast Check

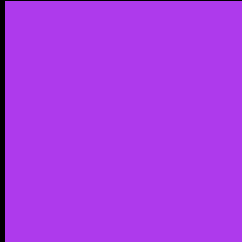
Large Text (above 18pt) WCAG AA ✓ Pass

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 112.9760, 11.9980, 79.9500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

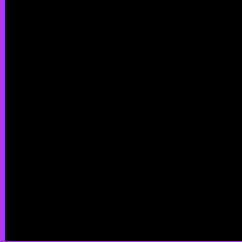
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 112.9760, 11.9980, 79.9500

Background



This preview shows how black text looks on a background with the YIQ color 112.9760, 11.9980, 79.9500.



This preview shows how white text looks on a background with the YIQ color 112.9760, 11.9980,

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

112.9760, 11.9980, 79.9500

Protanopia

94.3920, -108.7110, 15.3290

Deuteranopia

95.0810, -101.0060, 2.3380



Tritanopia

119.8620, 27.2320, 13.0880

Trichromacy



Original Color

112.9760, 11.9980, 79.9500



Protanomaly

101.2610, -65.0210, 38.5230



Deuteranomaly

101.4430, -60.0220, 30.5220



Tritanomaly

117.1060, 21.6340, 37.4580

Monochromacy



Original Color

112.9760, 11.9980, 79.9500



Achromatopsia

113.0000, -0.0000, 0.0000



Achromatomaly

112.9680, 4.1670, 29.1190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.9760, 11.9980, 79.9500 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(174, 58, 236)` looks like.

```
.text, #text, p{  
    color:rgb(174, 58, 236)  
}
```

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(174, 58, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 58, 236) }
```

Border

The CSS property to change the border of an element to YIQ 112.9760, 11.9980, 79.9500 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(174, 58, 236) }
```


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

```
.border{ border-color:rgb(174, 58, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 58, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 58, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 58, 236);  
box-shadow:4px 4px 4px 4px rgb(174, 58,  
236) }
```

Background

The CSS property to change the background color of an element to YIQ 112.9760, 11.9980, 79.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 58, 236) }
```

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

```
.background{ background-color: rgb(174, 58,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor