

Converting Colors

YIQ(116.9530, 26.8590, 47.3950)

Have a look what the booklet for
YIQ(116.9530, 26.8590, 47.3950)
contains.

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Color

**YIQ(116.9530, 26.8590,
47.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4FA8
RGB	172, 79, 168
RGB Percent	67%, 31%, 66%
CMY	0.3252, 0.6903, 0.3411
CMYK	0.00, 0.54, 0.02, 0.33
HSL	303°, 37%, 49%
HSV	303°, 54%, 67%
XYZ	26.8907, 17.1925, 38.9517
YIQ	116.9530, 26.8590, 47.3950

Conversions

Conversions Part 2

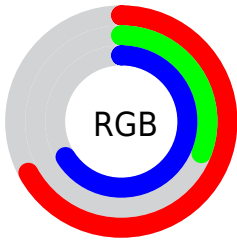
Format	Color
RYB	172, 79, 168
Decimal	11292584
CIELab	48.50, 50.22, -30.77
CIELCh	49, 58.891, 328.504
Yxy	17.1925, 0.3238, 0.2071
Android (android.graphics.Color)	4289482664 (0xFFAC4FA8)
YUV	116.9530, 25.1662, 48.2762
Hunter-Lab	41.4639, 43.2015, -26.6731

Details

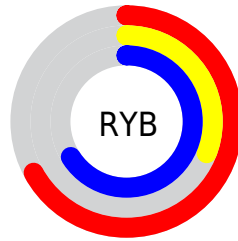
The YIQ color **116.9530, 26.8590, 47.3950** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **134.0470, -26.8590, -47.3950**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.4910, 28.2800, 49.1760**, and **61.7080, 26.1710, 48.8510** is the 20% darker color. If you saturate the color by 10%, you get **106.8600, 31.8550, 55.9750**, and if you desaturate by 10%, it is **127.0460, 21.8630, 38.8150**.

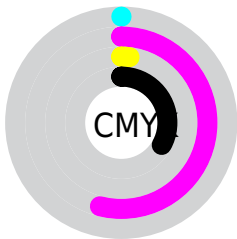
Distribution



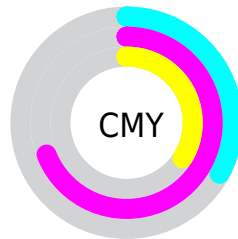
- Red (67%)
- Green (31%)
- Blue (66%)



- Red (67%)
- Yellow (31%)
- Blue (66%)



- Cyan (0%)
- Magenta (54%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (69%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.9530, 26.8590, 47.3950 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 116.9530, 26.8590, 47.3950 by changing the saturation by 10% instead.


 116.9530, 26.8590,
47.3950


 116.9530, 26.8590,
47.3950


255.0000, -0.0000,
-0.0000


 89.6540, 26.2630,
47.1830


 171.4910, 28.2800,
49.1760


 61.7080, 26.1710,
48.8510


 198.8930, 27.0880,
48.7520


 37.5830, 25.0250,
47.5930


 215.6710, 18.4250,
35.0410

 27.0730, 17.2330,
34.6170

 232.1070, 10.7250,
20.3970

 17.5740, 10.9080,
22.5880

 249.1300, 2.7500,
5.2300

 3.0950, -7.3370,
6.3190

 0.0000, 0.0000,

0.0000

■ 116.9530, 26.8590,
47.3950

■ 116.9530, 26.8590,
47.3950

■ 106.8600, 31.8550,
55.9750

■ 127.0460, 21.8630,
38.8150

■ 96.8810, 36.5300,
64.8660

■ 137.1390, 16.8670,
30.2350

■ 86.2010, 41.8010,
73.9690

■ 147.7050, 11.9170,
20.8210

■ 76.1080, 46.7970,
82.5490

■ 157.7980, 6.9210,
12.2410

■ 70.2380, 49.5470,
87.7790

■ 167.8910, 1.9250,
3.6610

■ 177.9840, -3.0710,
-4.9190

■ 187.9630, -7.7460,
-13.8100

■ 198.6430,
-13.0170, -22.9130

■ 208.7360,
-18.0130, -31.4930

Harmonies

Analogous

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



115.8950, -29.1200, 32.1600



116.9530, 26.8590, 47.3950



109.8740, 63.6300, 47.2940

Triad

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



116.9530, 26.8590, 47.3950



107.9030, 53.2360, -28.6840



99.3600, -89.6310, -22.1030

Complementary

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



116.9530, 26.8590, 47.3950



134.0470, -26.8590, -47.3950

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.



93.6600, -73.5810, -37.6530



116.9530, 26.8590, 47.3950



102.1540, 18.2560, -44.5280

Square

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



116.9530, 26.8590, 47.3950



110.1900, 72.4420, -2.2940



85.4980, -56.1100, -51.4220



100.8710, -100.7750, -7.3590

Rectangle

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



116.9530, 26.8590, 47.3950



108.7700, 75.1860, 36.0980



85.4980, -56.1100, -51.4220



97.5360, -84.4950, -27.0790

Sweetspot

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



116.9530, 26.8590, 47.3950



202.7540, 10.2210, 18.5170



90.4990, -28.0650, 29.5590



99.5590, 6.0960, 10.6720



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



116.9530, 26.8590, 47.3950



138.2010, 41.8010, 73.9690



111.7090, 41.6250, 33.0890



81.6030, 2.7960, 4.3960



61.2660, 43.1760, 76.5840



9.3850, 6.6460, 11.7180

Inverse Universe

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



116.9530, 26.8590, 47.3950



138.2010, 41.8010, 73.9690



139.2910, -41.6250, -33.0890



81.6030, 2.7960, 4.3960



61.2660, 43.1760, 76.5840



9.3850, 6.6460, 11.7180

Previews

White Background



This preview shows how the YIQ color 116.9530, 26.8590, 47.3950 looks on a white background.

Color Contrast Check

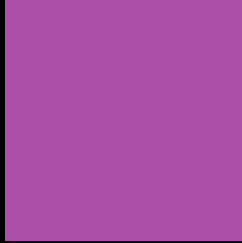
Large Text (above 18pt) WCAG AA ✓ Pass

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 116.9530, 26.8590, 47.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

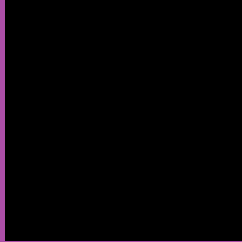
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 116.9530, 26.8590, 47.3950

Background



This preview shows how black text looks on a background with the YIQ color 116.9530, 26.8590, 47.3950.



This preview shows how white text looks on a background with the YIQ color 116.9530, 26.8590,

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

116.9530, 26.8590, 47.3950

Protanopia

112.4100, -47.2280, 18.9160

Deuteranopia

115.2860, -23.7520, 11.9600



Tritanopia

117.1300, 38.2810, 16.5930

Trichromacy



Original Color

116.9530, 26.8590, 47.3950

Protanomaly

114.2780, -20.1330, 28.9790

Deuteranomaly

115.6570, -5.3230, 24.8930

Tritanomaly

117.2410, 34.0150, 27.8310

Monochromacy



Original Color

116.9530, 26.8590, 47.3950

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.9280, 9.6710, 17.4710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.9530, 26.8590, 47.3950 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(172, 79, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 168)  
}
```

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(172, 79, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 168) }
```

Border

The CSS property to change the border of an element to YIQ 116.9530, 26.8590, 47.3950 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(172, 79, 168) }
```


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

```
.border{ border-color:rgb(172, 79, 168) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
168) }
```

Background

The CSS property to change the background color of an element to YIQ 116.9530, 26.8590, 47.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 168) }
```

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

```
.background{ background-color: rgb(172, 79,  
168) }
```

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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