

Converting Colors

YIQ(146.9920, 50.6000, 96.2320)

Have a look what the booklet for
YIQ(146.9920, 50.6000, 96.2320)
contains.

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Color

**YIQ(146.9920, 50.6000,
96.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47FF
RGB	255, 71, 255
RGB Percent	100%, 28%, 100%
CMY	0.0000, 0.7218, 0.0000
CMYK	0.00, 0.72, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 72%, 100%
XYZ	61.5384, 32.9767, 97.7295
YIQ	146.9920, 50.6000, 96.2320

Conversions

Conversions Part 2

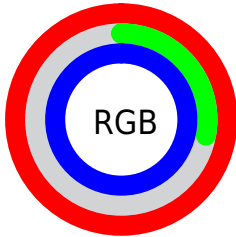
Format	Color
R _Y B	255, 71, 255
Decimal	16730111
CIE Lab	64.14, 87.11, -54.75
CIE LCh	64, 102.888, 327.852
Yxy	32.9767, 0.3201, 0.1715
Android (android.graphics.Color)	4294920191 (0xFFFF47FF)
YUV	146.9920, 53.2479, 94.7230
Hunter-Lab	57.4253, 90.7904, -60.7051

Details

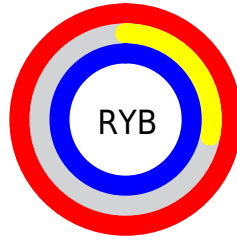
The YIQ color **146.9920, 50.6000, 96.2320** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **179.0080, -50.6000, -96.2320**, and the grayscale version is **146.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **185.1470, 32.7250, 62.2370**, and **80.4640, 52.3870, 102.3950** is the 20% darker color. If you saturate the color by 10%, you get **131.7300, 57.7500, 109.8300**, and if you desaturate by 10%, it is **161.6670, 43.7250, 83.1570**.

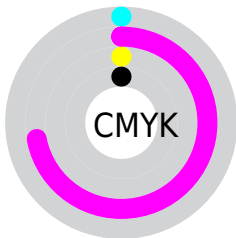
Distribution



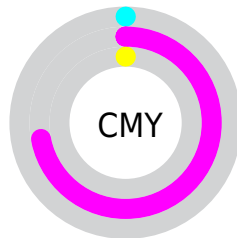
- Red (100%)
- Green (28%)
- Blue (100%)



- Red (100%)
- Yellow (28%)
- Blue (100%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 146.9920, 50.6000, 96.2320 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 146.9920, 50.6000, 96.2320 by changing the saturation by 10% instead.


 146.9920, 50.6000,
96.2320


 146.9920, 50.6000,
96.2320


255.0000, -0.0000,
-0.0000


 108.0020, 53.8080,
104.1760


 185.1470, 32.7250,
62.2370

 80.4640, 52.3870,
102.3950


 202.7570, 24.4750,
46.5470


 68.4160, 43.1740,
87.6380

 220.3670, 16.2250,
30.8570

 56.6670, 34.5570,
73.0930

 238.5640, 7.7000,
14.6440

 44.6190, 25.3440,
58.3360

 33.3970, 16.6810,
44.6250

 21.8760, 7.4220,

30.7020

■ 8.4900, -6.6510,
15.9170

■ 2.9810, -7.0160,
6.0080

■ 146.9920, 50.6000,
96.2320

■ 146.9920, 50.6000,
96.2320

■ 131.7300, 57.7500,
109.8300

■ 161.6670, 43.7250,
83.1570

■ 117.0550, 64.6250,
122.9050

■ 176.9290, 36.5750,
69.5590

■ 105.3150, 70.1250,
133.3650

■ 191.6040, 29.7000,
56.4840

■ 206.8660, 22.5500,
42.8860

■ 221.5410, 15.6750,
29.8110

■ 236.8030, 8.5250,
16.2130

■ 251.4780, 1.6500,
3.1380

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



142.7110, -48.9730, 34.0270



146.9920, 50.6000, 96.2320



95.1690, 98.6940, 105.6860

Triad

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



146.9920, 50.6000, 96.2320



146.0560, 74.3740, -37.3220



140.6510, -130.1150, -26.2990

Complementary

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



146.9920, 50.6000, 96.2320



179.0080, -50.6000, -96.2320

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.



129.3480, -99.6660, -55.0100



146.9920, 50.6000, 96.2320



132.6360, 12.9420, -69.3780

Square

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



146.9920, 50.6000, 96.2320



139.0540, 122.5550, -1.9010



114.5570, -64.9070, -84.7390



139.4260, -133.5550, -19.0190

Rectangle

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



146.9920, 50.6000, 96.2320



88.3290, 117.9540, 87.0260



114.5570, -64.9070, -84.7390



137.2310, -120.4850, -35.6290

Sweetspot

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



146.9920, 50.6000, 96.2320



222.1280, 15.4000, 29.2880



91.9760, -59.0640, 57.2240



108.0420, 9.3500, 17.7820



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.



146.9920, 50.6000, 96.2320



124.6860, 61.0500, 116.1060



136.5040, 80.1320, 67.6200



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720

Inverse Universe

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



146.9920, 50.6000, 96.2320



124.6860, 61.0500, 116.1060



189.4960, -80.1320, -67.6200



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720

Previews

White Background



This preview shows how the YIQ color 146.9920, 50.6000, 96.2320 looks on a white background.

Color Contrast Check

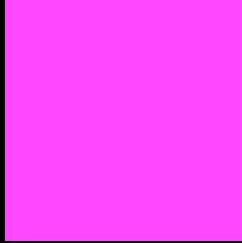
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 146.9920, 50.6000, 96.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

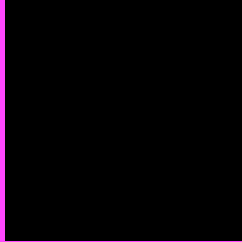
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 146.9920, 50.6000, 96.2320

Background



This preview shows how black text looks on a background with the YIQ color 146.9920, 50.6000, 96.2320.



This preview shows how white text looks on a background with the YIQ color 146.9920, 50.6000,

96.2320.

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

146.9920, 50.6000, 96.2320

Protanopia

151.7820, -56.9030, 23.5530

Deuteranopia

151.4630, -54.7470, 17.5170



Tritanopia

154.6890, 70.7400, 28.5640

Trichromacy



Original Color

146.9920, 50.6000, 96.2320



Protanomaly

150.3070, -17.9360, 49.7440



Deuteranomaly

149.6830, -16.2390, 46.5210

Tritanomaly

151.5630, 63.3080, 53.1320

Monochromacy



Original Color

146.9920, 50.6000, 96.2320



Achromatopsia

147.0000, -0.0000, 0.0000



Achromatomaly

146.6710, 18.4250, 35.0410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 146.9920, 50.6000, 96.2320 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(255, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 255)  
}
```

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(255, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 255) }
```

Border

The CSS property to change the border of an element to YIQ 146.9920, 50.6000, 96.2320 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(255, 71, 255) }
```


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

```
.border{ border-color:rgb(255, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 146.9920, 50.6000, 96.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 255) }
```

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

```
.background{ background-color: rgb(255, 71,  
255) }
```

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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