

Converting Colors

YIQ(166.5850, 31.8520, 72.5560)

Have a look what the booklet for
YIQ(166.5850, 31.8520, 72.5560)
contains.

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Color

**YIQ(166.5850, 31.8520,
72.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	F26FFF
RGB	242, 111, 255
RGB Percent	95%, 44%, 100%
CMY	0.0506, 0.5649, 0.0000
CMYK	0.05, 0.56, 0.00, 0.00
HSL	295°, 100%, 72%
HSV	295°, 56%, 100%
XYZ	60.3816, 37.4723, 98.6582
YIQ	166.5850, 31.8520, 72.5560

Conversions

Conversions Part 2

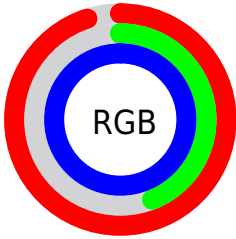
Format	Color
R_{YB}	242, 111, 255
Decimal	15888383
CIE _{Lab}	67.63, 69.35, -49.34
CIE _{LCh}	68, 85.114, 324.568
Yxy	37.4723, 0.3073, 0.1907
Android (android.graphics.Color)	4294078463 (0xFFFF26FFF)
YUV	166.5850, 43.5886, 66.1390
Hunter-Lab	61.2146, 68.9452, -52.7060

Details

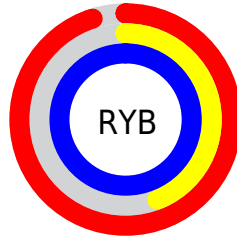
The YIQ color **166.5850, 31.8520, 72.5560** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **199.4150, -31.8520, -72.5560**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **203.9310, 23.9250, 45.5010**, and **107.2260, 31.4850, 73.7010** is the 20% darker color. If you saturate the color by 10%, you get **150.7250, 37.8100, 85.7300**, and if you desaturate by 10%, it is **181.8580, 26.1690, 59.9050**.

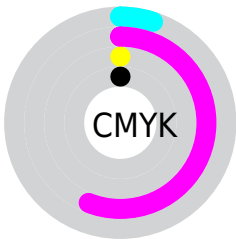
Distribution



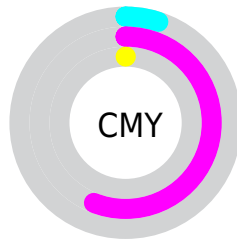
- Red (95%)
- Green (44%)
- Blue (100%)



- Red (95%)
- Yellow (44%)
- Blue (100%)



- Cyan (5%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 166.5850, 31.8520, 72.5560 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 166.5850, 31.8520, 72.5560 by changing the saturation by 10% instead.


 166.5850, 31.8520,
72.5560


 166.5850, 31.8520,
72.5560


255.0000, -0.0000,
-0.0000

 137.2860, 31.2560,
72.3440


 203.9310, 23.9250,
45.5010


 107.2260, 31.4850,
73.7010


 220.9540, 15.9500,
30.3340

 68.3610, 35.8390,
82.9030

 237.9770, 7.9750,
15.1670

 53.9760, 29.1930,
71.1850

 42.6400, 20.8510,
57.1630

 31.3040, 12.5090,
43.1410

 20.7940, 4.7170,

30.1650

■ 5.9130, -12.3360,
14.3200

■ 3.0950, -7.3370,
6.3190

■ 166.5850, 31.8520,
72.5560

■ 166.5850, 31.8520,
72.5560

■ 150.7250, 37.8100,
85.7300

■ 181.8580, 26.1690,
59.9050

■ 135.4520, 43.4930,
98.3810

■ 198.0170, 20.8070,
46.9430

■ 119.2930, 48.8550,
111.3430

■ 213.2900, 15.1240,
34.2920

■ 104.0200, 54.5380,
123.9940

■ 229.1500, 9.1660,
21.1180

■ 98.4380, 56.4170,
128.4890

■ 244.7220, 4.0790,
8.6790

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.



155.9790, -47.0920, 27.4680



166.5850, 31.8520, 72.5560



141.6050, 72.6580, 70.9140

Triad

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



166.5850, 31.8520, 72.5560



154.9490, 81.9850, -37.5910



142.6910, -127.5920, -33.4800

Complementary

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



166.5850, 31.8520, 72.5560



199.4150, -31.8520, -72.5560

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.



133.0980, -101.9580, -57.5260



166.5850, 31.8520, 72.5560



146.0360, 32.4270, -64.5730

Square

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



166.5850, 31.8520, 72.5560



151.8660, 108.5250, -0.9390



120.3420, -74.3070, -79.5790



142.3610, -134.9300, -21.6340

Rectangle

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



166.5850, 31.8520, 72.5560



136.3780, 88.7540, 54.5300



120.3420, -74.3070, -79.5790



139.7270, -119.2460, -41.5660

Sweetspot

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



166.5850, 31.8520, 72.5560



228.5630, 9.4410, 21.6410



135.6340, -50.0740, 37.4620



111.8410, 5.3620, 12.9620



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.



166.5850, 31.8520, 72.5560



148.6650, 38.0390, 87.0870



163.8600, 58.2180, 57.2740



119.7710, 2.3830, 6.3750



73.8000, 42.3930, 96.2890



24.6380, 14.0240, 32.2000

Inverse Universe

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



155.5380, 81.6510, 34.5710



135.4370, 98.2930, 41.3410



202.1400, -58.2180, -57.2740



119.0010, 7.4270, 3.0670



59.0470, 108.3790, 45.7790



19.8200, 36.2180, 15.4340

Previews

White Background



This preview shows how the YIQ color 166.5850, 31.8520, 72.5560 looks on a white background.

Color Contrast Check

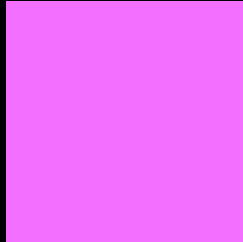
Large Text (above 18pt) WCAG AA × Fail

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 166.5850, 31.8520, 72.5560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

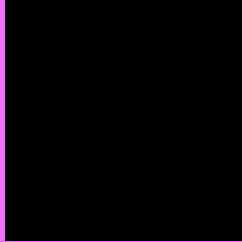
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 166.5850, 31.8520, 72.5560

Background



This preview shows how black text looks on a background with the YIQ color 166.5850, 31.8520, 72.5560.



This preview shows how white text looks on a background with the YIQ color 166.5850, 31.8520,

72.5560.

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

166.5850, 31.8520, 72.5560

Protanopia

163.0340, -48.9250, 22.1390

Deuteranopia

162.8830, -47.1820, 18.0820



Tritanopia

167.0500, 50.4300, 22.1900

Trichromacy



Original Color

166.5850, 31.8520, 72.5560



Protanomaly

164.1400, -19.2640, 40.7680



Deuteranomaly

164.3310, -18.4840, 37.6440

Tritanomaly

167.1210, 43.6410, 40.6090

Monochromacy



Original Color

166.5850, 31.8520, 72.5560



Achromatopsia

167.0000, -0.0000, -0.0000



Achromatomaly

166.9810, 11.3200, 26.1360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.5850, 31.8520, 72.5560 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(242, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 111, 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(242, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 111, 255) }
```

Border

The CSS property to change the border of an element to YIQ 166.5850, 31.8520, 72.5560 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(242, 111, 255) }
```


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

```
.border{ border-color:rgb(242, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 111,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 166.5850, 31.8520, 72.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 111, 255) }
```

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

```
.background{ background-color: rgb(242,  
111, 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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