

Converting Colors

YIQ(166.6350, 62.8050, 45.7250)

Have a look what the booklet for
YIQ(166.6350, 62.8050, 45.7250)
contains.

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Color

**YIQ(166.6350, 62.8050,
45.7250)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78AF
RGB	255, 120, 175
RGB Percent	100%, 47%, 69%
CMY	0.0000, 0.5296, 0.3135
CMYK	0.00, 0.53, 0.31, 0.00
HSL	336°, 100%, 74%
HSV	336°, 53%, 100%
XYZ	55.6927, 37.7765, 44.9409
YIQ	166.6350, 62.8050, 45.7250

Conversions

Conversions Part 2

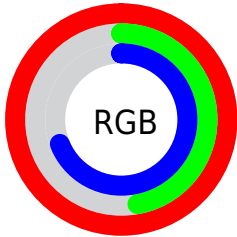
Format	Color
R _Y B	255, 120, 175
Decimal	16742575
CIE Lab	67.86, 56.95, -4.33
CIE LCh	68, 57.116, 355.651
Yxy	37.7765, 0.4024, 0.2729
Android (android.graphics.Color)	4294932655 (0xFFFF78AF)
YUV	166.6350, 4.1239, 77.4961
Hunter-Lab	61.4626, 54.1834, -0.3284

Details

The YIQ color **166.6350, 62.8050, 45.7250** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **208.3650, -62.8050, -45.7250**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **205.7770, 29.7500, 33.5420**, and **109.8950, 59.1370, 46.1210** is the 20% darker color. If you saturate the color by 10%, you get **149.6630, 74.7700, 54.6580**, and if you desaturate by 10%, it is **183.0200, 51.1150, 37.3150**.

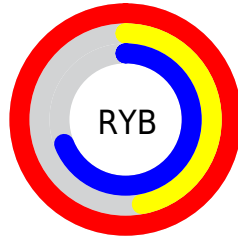
Distribution



Red (100%)

Green (47%)

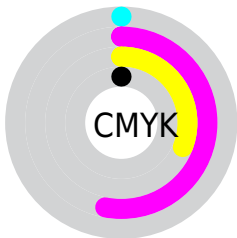
Blue (69%)



Red (100%)

Yellow (47%)

Blue (69%)

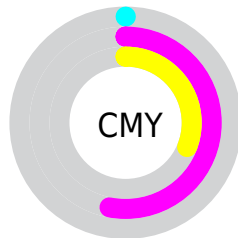


Cyan (0%)

Magenta (53%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 166.6350, 62.8050, 45.7250 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 166.6350, 62.8050, 45.7250 by changing the saturation by 10% instead.

 166.6350, 62.8050,
45.7250


 166.6350, 62.8050,
45.7250


255.0000, -0.0000,
-0.0000

 138.1510, 61.2920,
45.6120


 205.8910, 29.4290,
33.8530


 109.8950, 59.1370,
46.1210


 225.6500, 13.7500,
26.1500

 80.1770, 58.4030,
48.4110

 242.6730, 5.7750,
10.9830

 49.3990, 57.8980,
52.0580

 38.2200, 47.6760,
39.0680

 27.4540, 37.7290,
26.6010

 17.2000, 32.0920,

13.1160

■ 3.5880, 7.1520,
2.5440

■ 0.0000, 0.0000,
0.0000

■ 166.6350, 62.8050,
45.7250

■ 166.6350, 62.8050,
45.7250

■ 149.6630, 74.7700,
54.6580

■ 183.0200, 51.1150,
37.3150

■ 133.2780, 86.4600,
63.0680

■ 199.9920, 39.1500,
28.3820

■ 116.3060, 98.4250,
72.0010

■ 216.3770, 27.4600,
19.9720

■ 99.9210, 110.1150,
80.4110

■ 233.3490, 15.4950,
11.0390

■ 88.1010, 118.5960,
86.4040

■ 249.8480, 3.4840,
2.9400

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.



170.2730, 22.9620, 46.4340



166.6350, 62.8050, 45.7250



162.5820, 78.3510, 28.2950

Triad

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



166.6350, 62.8050, 45.7250



155.6860, 19.8140, -39.7220



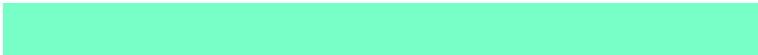
137.0950, -131.1250, -19.0050

Complementary

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



166.6350, 62.8050, 45.7250



208.3650, -62.8050, -45.7250

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.



135.2420, -119.0180, -34.6820



166.6350, 62.8050, 45.7250



145.6810, -34.5160, -46.2920

Square

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



166.6350, 62.8050, 45.7250



160.2180, 56.9030, -23.5530



129.3140, -102.3260, -50.8540



130.6210, -129.4300, -11.1740

Rectangle

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



166.6350, 62.8050, 45.7250



163.5260, 80.7840, 11.7280



129.3140, -102.3260, -50.8540



136.9010, -127.8230, -23.7830

Sweetspot

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



166.6350, 62.8050, 45.7250



228.1970, 18.9790, 13.9790



159.0110, 3.7490, 58.7330



111.6150, 11.6900, 8.4100



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.



166.6350, 62.8050, 45.7250



148.2610, 75.9620, 55.0820



166.8220, 77.4350, 22.8670



119.4570, 6.1430, 4.3110



66.0010, 88.7980, 64.7500



22.1000, 29.7980, 21.6540

Inverse Universe

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



166.6350, 62.8050, 45.7250



148.2610, 75.9620, 55.0820



208.1780, -77.4350, -22.8670



119.4570, 6.1430, 4.3110



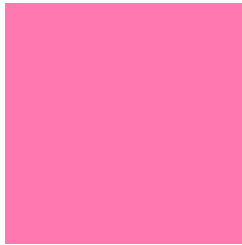
66.0010, 88.7980, 64.7500



22.1000, 29.7980, 21.6540

Previews

White Background



This preview shows how the YIQ color 166.6350, 62.8050, 45.7250 looks on a white background.

Color Contrast Check

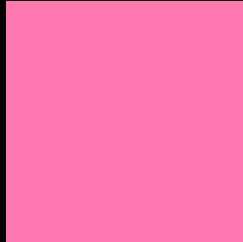
Large Text (above 18pt) WCAG AA × Fail

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 166.6350, 62.8050, 45.7250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

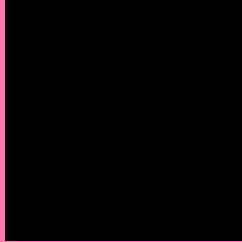
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 166.6350, 62.8050, 45.7250

Background



This preview shows how black text looks on a background with the YIQ color 166.6350, 62.8050, 45.7250.



This preview shows how white text looks on a background with the YIQ color 166.6350, 62.8050,

45.7250.

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

166.6350, 62.8050, 45.7250

Protanopia

166.3530, -16.6910, 10.6450

Deuteranopia

167.4790, 9.0770, 6.2050



Tritanopia

166.1020, 71.0150, 29.0870

Trichromacy



Original Color

166.6350, 62.8050, 45.7250



Protanomaly

166.5850, 12.3750, 23.5350



Deuteranomaly

167.0890, 28.3310, 20.7070



Tritanomaly

166.2360, 67.9420, 35.2220

Monochromacy



Original Color

166.6350, 62.8050, 45.7250



Achromatopsia

167.0000, -0.0000, -0.0000



Achromatomaly

166.9310, 22.7840, 16.6080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.6350, 62.8050, 45.7250 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, 120, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 175)  
}
```

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, 120, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 175) }
```

Border

The CSS property to change the border of an element to YIQ 166.6350, 62.8050, 45.7250 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, 120, 175) }
```


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

```
.border{ border-color:rgb(255, 120, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
175) }
```

Background

The CSS property to change the background color of an element to YIQ 166.6350, 62.8050, 45.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 175) }
```

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

```
.background{ background-color: rgb(255,  
120, 175) }
```

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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