

Converting Colors

XYZ(63.7028, 46.2609, 70.8431)

Have a look what the booklet for
XYZ(63.7028, 46.2609, 70.8431)
contains.

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Color

**XYZ(63.6079, 46.1644,
70.5239)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90D8
RGB	255, 144, 216
RGB Percent	100%, 56%, 85%
CMY	0.0000, 0.4353, 0.1529
CMYK	0.00, 0.44, 0.15, 0.00
HSL	321°, 100%, 78%
HSV	321°, 44%, 100%
XYZ	63.6079, 46.1644, 70.5239
YIQ	185.3970, 43.0440, 45.9240

Conversions

Conversions Part 2

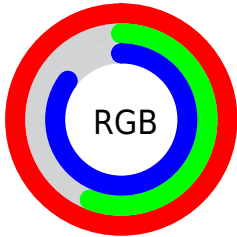
Format	Color
R _Y B	255, 144, 216
Decimal	16748760
CIE Lab	73.65, 50.92, -18.47
CIE LCh	74, 54.164, 340.061
Yxy	46.1644, 0.3528, 0.2560
Android (android.graphics.Color)	4294938840 (0xFFFF90D8)
YUV	185.3970, 15.0873, 61.0418
Hunter-Lab	67.9444, 48.2047, -13.9799

Details

The XYZ color **63.6079, 46.1644, 70.5239** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.8106, 80.8690, 57.4706**, and the grayscale version is **46.2382, 48.6461, 52.9757**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **32.8541, 21.6213, 36.1599** is the 20% darker color. If you saturate the color by 10%, you get **59.0458, 38.8435, 63.4433**, and if you desaturate by 10%, it is **69.1076, 55.2589, 78.2297**.

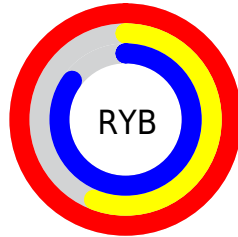
Distribution



Red (100%)

Green (56%)

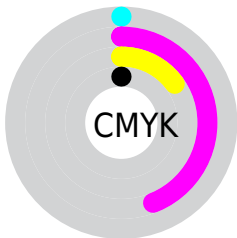
Blue (85%)



Red (100%)

Yellow (56%)

Blue (85%)

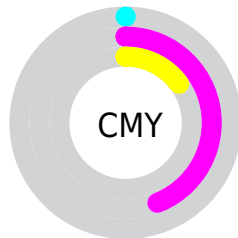


Cyan (0%)

Magenta (44%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6079, 46.1644, 70.5239 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 XYZ color 63.6079, 46.1644, 70.5239 by changing the saturation by 10% instead.


 63.6079, 46.1644,
70.5239


 63.6079, 46.1644,
70.5239


427.3970,
371.4692, 481.2261

 46.5937, 32.3756,
51.4743


 109.1230, 84.4650,
121.6437

 32.9211, 21.6485,
36.2069


 138.3545,
109.7455, 154.5510

 22.2250, 13.5989,
24.3031


172.3891,
139.6254, 192.9146

 14.1398, 7.8422,
15.3443

211.5923,
174.4891, 237.1530

 8.3003, 3.9941,
8.9121

256.3293,
214.7209, 287.6848

 4.3411, 1.6703,
4.5879

306.9655,

 1.8969, 0.4043,

260.7053, 344.9286

1.9531

363.8663,
312.8266, 409.3029

■ 0.5750, 0.0000,
0.5262

■ 0.0000, 0.0000,
0.0000

■ 63.6079, 46.1644,
70.5239

■ 63.6079, 46.1644,
70.5239

■ 59.0458, 38.8435,
63.4433

■ 69.1076, 55.2589,
78.2297

■ 55.3574, 33.1708,
56.9602

■ 75.5964, 66.2291,
86.5812

■ 52.4759, 29.0142,
51.0478

■ 83.1260, 79.1766,
95.6006

■ 50.3229, 26.2183,
45.6748

■ 91.7431, 94.1937,
105.3084

■ 48.8028, 24.5938, 95.0500, 100.0000,
40.8040 108.9000

■ 48.0682, 23.9913,
37.8868

Harmonies

Analogous

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



56.8560, 46.1644, 102.5228



63.6079, 46.1644, 70.5239



64.6670, 46.1644, 41.5878

Triad

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



63.6079, 46.1644, 70.5239



40.7330, 46.1644, 14.1237



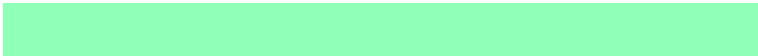
31.2174, 46.1644, 92.5195

Complementary

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



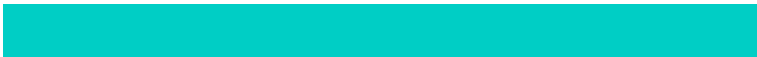
63.6079, 46.1644, 70.5239



55.8106, 80.8690, 57.4706

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.



28.1031, 46.1644, 60.0727



63.6079, 46.1644, 70.5239



33.0422, 46.1644, 19.6998

Square

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



63.6079, 46.1644, 70.5239



50.4754, 46.1644, 15.1582



28.7185, 46.1644, 34.3131



37.8819, 46.1644, 118.0972

Rectangle

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



63.6079, 46.1644, 70.5239



61.8620, 46.1644, 28.1706



28.7185, 46.1644, 34.3131



29.7681, 46.1644, 81.6518

Sweetspot

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



63.6090, 46.1664, 70.5248



83.5524, 79.9153, 96.0947



47.5181, 37.2179, 99.2870



17.5055, 16.4509, 20.1279



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.6090, 46.1664, 70.5248



59.6843, 39.8517, 64.4852



57.6169, 43.7696, 38.9708



18.5057, 18.1856, 21.2803



25.1901, 12.5654, 20.1836



2.5045, 1.2442, 2.2382

Inverse Universe

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



63.6090, 46.1664, 70.5248



59.6843, 39.8517, 64.4852



62.7470, 83.6436, 93.9973



18.5057, 18.1856, 21.2803



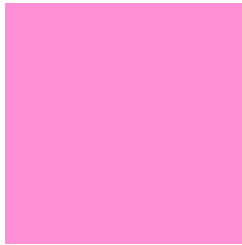
25.1901, 12.5654, 20.1836



2.5045, 1.2442, 2.2382

Previews

White Background



This preview shows how the XYZ color 63.6079, 46.1644, 70.5239 looks on a white background.

Color Contrast Check

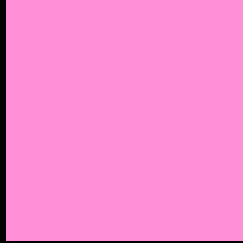
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 63.6079, 46.1644, 70.5239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

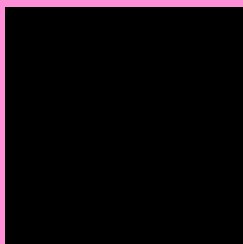
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6079, 46.1644, 70.5239

Background



This preview shows how black text looks on a background with the XYZ color 63.6079, 46.1644, 70.5239.



This preview shows how white text looks on a background with the XYZ color 63.6079, 46.1644,

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

63.6079, 46.1644, 70.5239

Protanopia

47.3071, 46.4836, 89.6980

Deuteranopia

47.3626, 46.4117, 67.4348



Tritanopia

57.5055, 46.0041, 41.9252

Trichromacy



Original Color

63.6079, 46.1644, 70.5239



Protanomaly

51.2277, 44.9689, 82.3238



Deuteranomaly

51.9171, 45.3654, 68.3074



Tritanomaly

59.3417, 45.7826, 51.0567

Monochromacy



Original Color

63.6079, 46.1644, 70.5239



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

50.9169, 46.4366, 58.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6079, 46.1644, 70.5239 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, 144, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 216)  
}
```

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, 144, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 216) }
```

Border

The CSS property to change the border of an element to XYZ 63.6079, 46.1644, 70.5239 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, 144, 216) }
```


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

```
.border{ border-color:rgb(255, 144, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6079, 46.1644, 70.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 216) }
```

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

```
.background{ background-color: rgb(255,  
144, 216) }
```

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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