

Converting Colors

XYZ(63.6160, 48.0899, 64.3254)

Have a look what the booklet for
XYZ(63.6160, 48.0899, 64.3254)
contains.

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Color

**XYZ(63.6088, 48.1727,
64.3382)**

Conversions

Conversions Part 1

Format	Color
Hex	FF98CE
RGB	255, 152, 206
RGB Percent	100%, 60%, 81%
CMY	0.0000, 0.4039, 0.1922
CMYK	0.00, 0.40, 0.19, 0.00
HSL	329°, 100%, 80%
HSV	329°, 40%, 100%
XYZ	63.6088, 48.1727, 64.3382
YIQ	188.9530, 44.0540, 38.6300

Conversions

Conversions Part 2

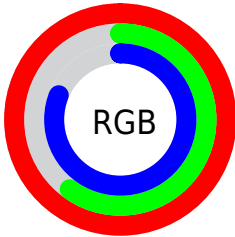
Format	Color
R_{YB}	255, 152, 206
Decimal	16750798
CIE _{Lab}	74.93, 45.39, -11.05
CIE _{LCh}	75, 46.719, 346.323
Yxy	48.1727, 0.3612, 0.2735
Android (android.graphics.Color)	4294940878 (0xFFFF98CE)
YUV	188.9530, 8.4042, 57.9232
Hunter-Lab	69.4066, 42.1278, -6.3758

Details

The XYZ color **63.6088, 48.1727, 64.3382** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.2534, 82.4133, 68.0462**, and the grayscale version is **48.2800, 50.7943, 55.3150**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **32.8001, 22.7381, 32.3659** is the 20% darker color. If you saturate the color by 10%, you get **58.4887, 40.2007, 55.6388**, and if you desaturate by 10%, it is **69.7346, 57.9736, 73.9352**.

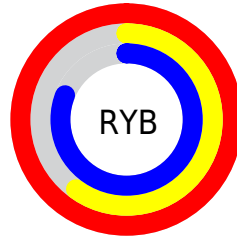
Distribution



Red (100%)

Green (60%)

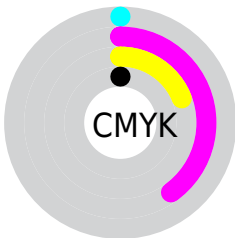
Blue (81%)



Red (100%)

Yellow (60%)

Blue (81%)

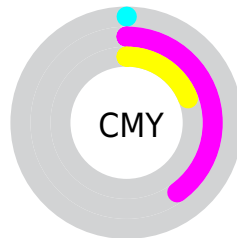


Cyan (0%)

Magenta (40%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6088, 48.1727, 64.3382 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 63.6088, 48.1727, 64.3382 by changing the saturation by 10% instead.


 63.6088, 48.1727,
64.3382


 63.6088, 48.1727,
64.3382


427.4002,
379.4763, 458.6509

 46.5944, 33.9637,
46.4767

 109.1242, 87.4615,
112.7020

 32.9217, 22.8657,
32.2708


 138.3560,
113.3100, 144.0414

 22.2254, 14.4944,
21.3019

172.3909,
143.8072, 180.7105

 14.1402, 8.4653,
13.1515

211.5943,
179.3374, 223.1279

 8.3006, 4.3941,
7.4010

256.3316,
220.2850, 271.7121

 4.3413, 1.8964,
3.6319

306.9681,

 1.8970, 0.5462,

267.0344, 326.8816

1.4256

363.8692,
319.9700, 389.0550

■ 0.5751, 0.0000,
0.1616

■ 0.0000, 0.0000,
0.0000

■ 63.6088, 48.1727,
64.3382

■ 63.6088, 48.1727,
64.3382

■ 58.4887, 40.2007,
55.6388

■ 69.7346, 57.9736,
73.9352

■ 54.3107, 33.9352,
47.8016

■ 76.9175, 69.7030,
84.4575

■ 51.0090, 29.2485,
40.7922

■ 85.2095, 83.4605,
95.9348

■ 48.5073, 25.9923,
34.5715

■ 94.6579, 99.3373,
108.3943

■ 46.7145, 23.9893,
29.0951

95.0500, 100.0000,
108.9000

■ 45.5211, 22.9724,
24.4737

Harmonies

Analogous

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



58.6785, 48.1727, 91.9546



63.6088, 48.1727, 64.3382



63.3654, 48.1727, 40.3459

Triad

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



63.6088, 48.1727, 64.3382



41.3375, 48.1727, 19.0940



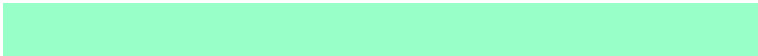
35.3851, 48.1727, 94.1994

Complementary

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



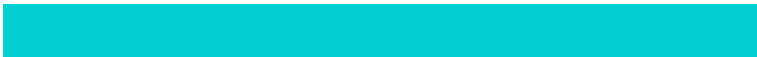
63.6088, 48.1727, 64.3382



59.2534, 82.4133, 68.0462

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.



31.8028, 48.1727, 66.7654



63.6088, 48.1727, 64.3382



34.9366, 48.1727, 26.2767

Square

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



63.6088, 48.1727, 64.3382



49.7680, 48.1727, 18.8096



31.6495, 48.1727, 42.1279



42.0236, 48.1727, 112.4775

Rectangle

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



63.6088, 48.1727, 64.3382



60.2854, 48.1727, 29.2910



31.6495, 48.1727, 42.1279



33.8217, 48.1727, 85.4181

Sweetspot

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



63.6100, 48.1749, 64.3392



83.7972, 81.1042, 94.0209



53.1174, 41.9676, 99.9087



17.6955, 16.9591, 19.7960



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.



63.6100, 48.1749, 64.3392



59.6244, 41.9463, 57.6381



58.4227, 46.0999, 37.0232



18.4072, 18.1462, 20.7615



23.8618, 12.0340, 13.1886



2.3786, 1.1938, 1.5750

Inverse Universe

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



63.6100, 48.1749, 64.3392



59.6244, 41.9463, 57.6381



66.2122, 85.1969, 104.6909



18.4072, 18.1462, 20.7615



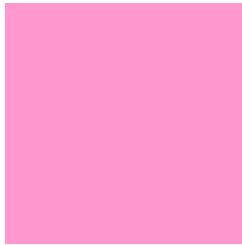
23.8618, 12.0340, 13.1886



2.3786, 1.1938, 1.5750

Previews

White Background



This preview shows how the XYZ color 63.6088, 48.1727, 64.3382 looks on a white background.

Color Contrast Check

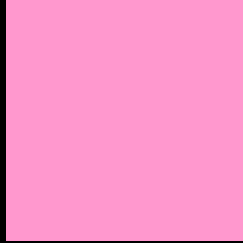
Large Text (above 18pt) WCAG AA × Fail

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 63.6088, 48.1727, 64.3382 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 63.6088, 48.1727, 64.3382

Background



This preview shows how black text looks on a background with the XYZ color 63.6088, 48.1727, 64.3382.



This preview shows how white text looks on a background with the XYZ color 63.6088, 48.1727,

64.3382.

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

63.6088, 48.1727, 64.3382

Protanopia

48.4778, 48.5270, 79.4846

Deuteranopia

49.3696, 48.4617, 62.0103



Tritanopia

59.5325, 48.2458, 44.7027

Trichromacy



Original Color

63.6088, 48.1727, 64.3382



Protanomaly

52.4405, 47.4569, 73.4140



Deuteranomaly

53.7695, 47.8130, 62.8948



Tritanomaly

60.6851, 47.9331, 51.4010

Monochromacy



Original Color

63.6088, 48.1727, 64.3382



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.8162, 49.1369, 58.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6088, 48.1727, 64.3382 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, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 206)  
}
```

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, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 206) }
```

Border

The CSS property to change the border of an element to XYZ 63.6088, 48.1727, 64.3382 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, 152, 206) }
```


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

```
.border{ border-color:rgb(255, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6088, 48.1727, 64.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 206) }
```

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

```
.background{ background-color: rgb(255,  
152, 206) }
```

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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