

Converting Colors

XYZ(122.3763, 79.9313,
66.1618)

Have a look what the booklet for
XYZ(122.3763, 79.9313, 66.1618)
contains.

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Color

**XYZ(64.3659, 50.0734,
63.3994)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9ECC
RGB	255, 158, 204
RGB Percent	100%, 62%, 80%
CMY	0.0000, 0.3804, 0.2000
CMYK	0.00, 0.38, 0.20, 0.00
HSL	332°, 100%, 81%
HSV	332°, 38%, 100%
XYZ	64.3659, 50.0734, 63.3994
YIQ	192.2470, 43.0460, 34.8700

Conversions

Conversions Part 2

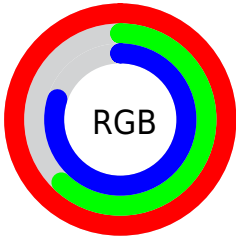
Format	Color
R _Y B	255, 158, 204
Decimal	16752332
CIE Lab	76.11, 42.03, -8.19
CIE LCh	76, 42.825, 348.974
Yxy	50.0734, 0.3619, 0.2816
Android (android.graphics.Color)	4294942412 (0xFFFF9ECC)
YUV	192.2470, 5.7942, 55.0344
Hunter-Lab	70.7626, 38.5298, -3.5868

Details

The XYZ color **64.3659, 50.0734, 63.3994** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.3712, 83.3935, 73.1873**, and the grayscale version is **50.1981, 52.8123, 57.5126**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **33.5826, 24.1755, 31.7505** is the 20% darker color. If you saturate the color by 10%, you get **58.9194, 41.6440, 53.9884**, and if you desaturate by 10%, it is **70.8558, 60.3674, 73.8424**.

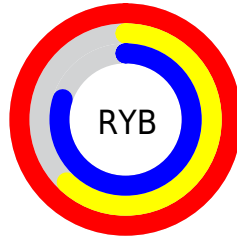
Distribution



Red (100%)

Green (62%)

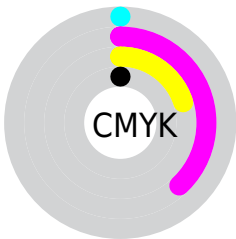
Blue (80%)



Red (100%)

Yellow (62%)

Blue (80%)

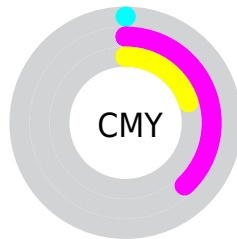


Cyan (0%)

Magenta (38%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3659, 50.0734, 63.3994 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 64.3659, 50.0734, 63.3994 by changing the saturation by 10% instead.


 64.3659, 50.0734,
63.3994


 64.3659, 50.0734,
63.3994


430.0911,
386.9529, 455.1653

 47.2099, 35.4717,
45.7213


 110.2085, 90.2836,
111.3367

 33.4102, 24.0265,
31.6789


 139.6258,
116.6610, 142.4329

 22.6016, 15.3533,
20.8536


173.8609,
147.7323, 178.8390

 14.4187, 9.0677,
12.8268

213.2792,
183.8820, 220.9734

 8.4961, 4.7854,
7.1801

258.2460,
225.4946, 269.2547

 4.4685, 2.1219,
3.4948

309.1267,

 1.9704, 0.6769,

272.9543, 324.1014

1.3525

366.2866,
326.6456, 385.9321

■ 0.6173, 0.0000,
0.1043

■ 0.0000, 0.0000,
0.0000

■ 64.3659, 50.0734,
63.3994

■ 64.3659, 50.0734,
63.3994

■ 58.9194, 41.6440,
53.9884

■ 70.8558, 60.3674,
73.8424

■ 54.4527, 34.9585,
45.5695

■ 78.4400, 72.6234,
85.3491

■ 50.9010, 29.8927,
38.1037

■ 87.1706, 86.9399,
97.9536

■ 48.1893, 26.3029,
31.5475

95.0500, 100.0000,
108.9000

■ 46.2298, 24.0194,
25.8521

■ 44.9043, 22.8127,
20.9577

■ 44.6864, 22.6385,
20.0782

Harmonies

Analogous

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



60.1823, 50.0734, 88.8987



64.3659, 50.0734, 63.3994



63.6927, 50.0734, 41.4019

Triad

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



64.3659, 50.0734, 63.3994



42.7597, 50.0734, 22.5444



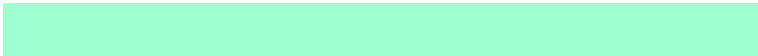
38.1833, 50.0734, 95.0221

Complementary

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



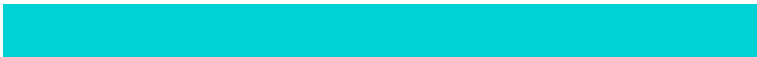
64.3659, 50.0734, 63.3994



61.3712, 83.3935, 73.1873

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.



34.4648, 50.0734, 70.1554



64.3659, 50.0734, 63.3994



36.8950, 50.0734, 30.3926

Square

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



64.3659, 50.0734, 63.3994



50.5999, 50.0734, 21.6777



34.0212, 50.0734, 46.5135



44.7082, 50.0734, 110.2808

Rectangle

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



64.3659, 50.0734, 63.3994



60.5979, 50.0734, 31.2198



34.0212, 50.0734, 46.5135



36.5965, 50.0734, 87.2326

Sweetspot

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



64.3672, 50.0757, 63.4004



84.4610, 82.4770, 94.1020



56.3242, 45.1033, 100.3449



17.8202, 17.2298, 19.7716



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.



64.3672, 50.0757, 63.4004



59.9473, 43.2157, 55.8235



59.9177, 48.7400, 38.6005



18.3680, 18.1305, 20.5551



23.4238, 11.8588, 10.8822



2.3354, 1.1765, 1.3478

Inverse Universe

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



64.3672, 50.0757, 63.4004



59.9473, 43.2157, 55.8235



67.3983, 84.9827, 107.4588



18.3680, 18.1305, 20.5551



23.4238, 11.8588, 10.8822



2.3354, 1.1765, 1.3478

Previews

White Background



This preview shows how the XYZ color 64.3659, 50.0734, 63.3994 looks on a white background.

Color Contrast Check

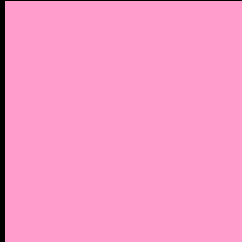
Large Text (above 18pt) WCAG AA × Fail

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 64.3659, 50.0734, 63.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

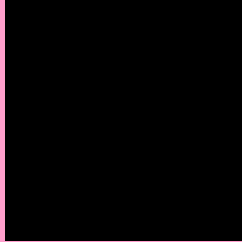
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3659, 50.0734, 63.3994

Background



This preview shows how black text looks on a background with the XYZ color 64.3659, 50.0734, 63.3994.



This preview shows how white text looks on a background with the XYZ color 64.3659, 50.0734,

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

64.3659, 50.0734, 63.3994

Protanopia

50.0112, 50.6383, 76.2455

Deuteranopia

51.4462, 50.4546, 61.6708



Tritanopia

60.9799, 49.9850, 46.9915

Trichromacy



Original Color

64.3659, 50.0734, 63.3994



Protanomaly

53.8035, 49.3669, 70.9830



Deuteranomaly

55.4975, 49.8613, 61.9575



Tritanomaly

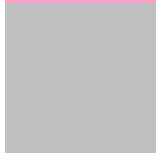
62.1158, 49.9176, 52.8156

Monochromacy



Original Color

64.3659, 50.0734, 63.3994



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.3094, 51.0751, 59.2206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3659, 50.0734, 63.3994 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, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 204)  
}
```

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, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 204) }
```

Border

The CSS property to change the border of an element to XYZ 64.3659, 50.0734, 63.3994 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, 158, 204) }
```


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

```
.border{ border-color:rgb(255, 158, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3659, 50.0734, 63.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 204) }
```

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

```
.background{ background-color: rgb(255,  
158, 204) }
```

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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