

Converting Colors

XYZ(63.2205, 49.8509, 56.6410)

Have a look what the booklet for
XYZ(63.2205, 49.8509, 56.6410)
contains.

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Color

**XYZ(63.2638, 49.9065,
56.7506)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9FC1
RGB	255, 159, 193
RGB Percent	100%, 62%, 76%
CMY	0.0000, 0.3764, 0.2431
CMYK	0.00, 0.38, 0.24, 0.00
HSL	339°, 100%, 81%
HSV	339°, 38%, 100%
XYZ	63.2638, 49.9065, 56.7506
YIQ	191.5800, 46.3020, 30.9260

Conversions

Conversions Part 2

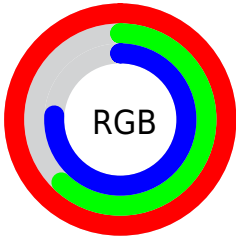
Format	Color
R_{YB}	255, 159, 193
Decimal	16752577
CIE _{Lab}	76.01, 39.96, -2.31
CIE _{LCh}	76, 40.022, 356.688
Yxy	49.9065, 0.3723, 0.2937
Android (android.graphics.Color)	4294942657 (0xFFFF9FC1)
YUV	191.5800, 0.7001, 55.6193
Hunter-Lab	70.6445, 36.2229, 1.8220

Details

The XYZ color **63.2638, 49.9065, 56.7506** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.1112, 84.1123, 81.3194**, and the grayscale version is **49.8365, 52.4319, 57.0983**.

A 20% lighter version of the original color is **82.6393, 76.7004, 100.0716**, and **32.6526, 23.9373, 27.7103** is the 20% darker color. If you saturate the color by 10%, you get **57.5862, 41.3297, 46.2928**, and if you desaturate by 10%, it is **70.0529, 60.3785, 68.5895**.

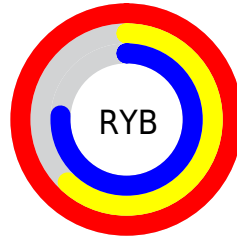
Distribution



Red (100%)

Green (62%)

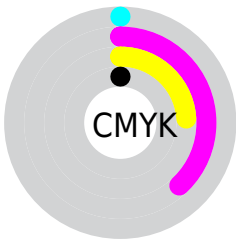
Blue (76%)



Red (100%)

Yellow (62%)

Blue (76%)

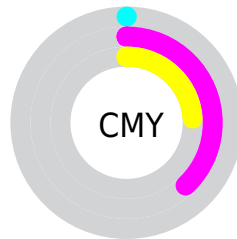


Cyan (0%)

Magenta (38%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2638, 49.9065, 56.7506 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 63.2638, 49.9065, 56.7506 by changing the saturation by 10% instead.


 63.2638, 49.9065,
56.7506


 63.2638, 49.9065,
56.7506


426.1707,
386.3002, 429.9816

 46.3141, 35.3391,
40.3970

 108.6297, 90.0363,
101.5979

 32.6994, 23.9242,
27.5321


 137.7766,
116.3676, 130.9287

 22.0544, 15.2774,
17.7373

171.7199,
147.3889, 165.4223

 14.0137, 9.0143,
10.5940

210.8251,
183.4846, 205.4973

 8.2120, 4.7505,
5.6838

255.4573,
225.0392, 251.5722

 4.2838, 2.1016,
2.5882

305.9821,

 1.8639, 0.6655,

272.4371, 304.0655

0.8863

362.7648,
326.0626, 363.3958

■ 0.5557, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2638, 49.9065,
56.7506

■ 63.2638, 49.9065,
56.7506

■ 57.5862, 41.3297,
46.2928

■ 70.0529, 60.3785,
68.5895

■ 52.9538, 34.5267,
37.1594

■ 78.0074, 72.8440,
81.8573

■ 49.2985, 29.3724,
29.2936

■ 87.1822, 87.4025,
96.6028

■ 46.5422, 25.7224,
22.6325

95.0500, 100.0000,
108.9000

■ 44.5935, 23.4067,
17.1066

■ 43.3338, 22.2018,
12.6343

■ 43.0984, 22.0034,
11.7164

Harmonies

Analogous

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



60.4760, 49.9065, 80.2006



63.2638, 49.9065, 56.7506



61.4567, 49.9065, 37.8822

Triad

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



63.2638, 49.9065, 56.7506



41.2729, 49.9065, 25.2545



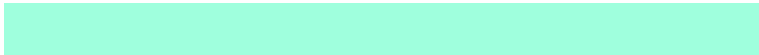
39.9770, 49.9065, 96.4645

Complementary

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



63.2638, 49.9065, 56.7506



63.1112, 84.1123, 81.3194

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.



35.7262, 49.9065, 74.9831



63.2638, 49.9065, 56.7506



36.4174, 49.9065, 34.7378

Square

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



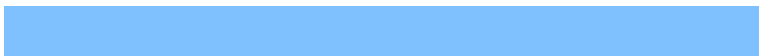
63.2638, 49.9065, 56.7506



48.2691, 49.9065, 22.7543



34.4941, 49.9065, 51.9981



46.6098, 49.9065, 106.6071

Rectangle

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



63.2638, 49.9065, 56.7506



57.9831, 49.9065, 29.5717



34.4941, 49.9065, 51.9981



38.2500, 49.9065, 90.0942

Sweetspot

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



63.2650, 49.9088, 56.7516



83.9644, 82.2784, 91.4874



59.9046, 47.2033, 100.5616



17.7021, 17.1826, 19.1500



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.



63.2650, 49.9088, 56.7516



58.9835, 43.4209, 48.9275



62.2141, 53.1945, 39.7923



18.2750, 18.0933, 20.0656



22.5839, 11.5229, 6.4593



2.2486, 1.1418, 0.8904

Inverse Universe

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



63.2650, 49.9088, 56.7516



58.9835, 43.4209, 48.9275



64.1613, 78.2155, 106.3232



18.2750, 18.0933, 20.0656



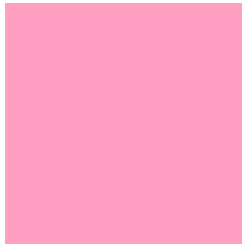
22.5839, 11.5229, 6.4593



2.2486, 1.1418, 0.8904

Previews

White Background



This preview shows how the XYZ color 63.2638, 49.9065, 56.7506 looks on a white background.

Color Contrast Check

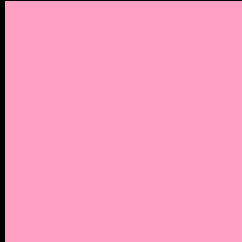
Large Text (above 18pt) WCAG AA × Fail

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 63.2638, 49.9065, 56.7506 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 63.2638, 49.9065, 56.7506

Background



This preview shows how black text looks on a background with the XYZ color 63.2638, 49.9065, 56.7506.



This preview shows how white text looks on a background with the XYZ color 63.2638, 49.9065,

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

63.2638, 49.9065, 56.7506

Protanopia

49.1993, 50.0852, 68.0471

Deuteranopia

51.0901, 50.1092, 55.1234



Tritanopia

61.0683, 49.7793, 46.4341

Trichromacy



Original Color

63.2638, 49.9065, 56.7506



Protanomaly

53.0028, 49.1119, 63.8127



Deuteranomaly

54.8617, 49.6778, 55.4124



Tritanomaly

61.9584, 49.8968, 50.0815

Monochromacy



Original Color

63.2638, 49.9065, 56.7506



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

53.8600, 50.8954, 56.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2638, 49.9065, 56.7506 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, 159, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 193)  
}
```

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, 159, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 193) }
```

Border

The CSS property to change the border of an element to XYZ 63.2638, 49.9065, 56.7506 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, 159, 193) }
```


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

```
.border{ border-color:rgb(255, 159, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2638, 49.9065, 56.7506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 193) }
```

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

```
.background{ background-color: rgb(255,  
159, 193) }
```

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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