

Converting Colors

XYZ(65.3488, 49.3244, 72.0909)

Have a look what the booklet for
XYZ(65.3488, 49.3244, 72.0909)
contains.

XYZ(65.4505, 49.4332, 72.4216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.4505, 49.4332,
72.4216)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9ADA
RGB	255, 154, 218
RGB Percent	100%, 60%, 85%
CMY	0.0000, 0.3961, 0.1451
CMYK	0.00, 0.40, 0.15, 0.00
HSL	322°, 100%, 80%
HSV	322°, 40%, 100%
XYZ	65.4505, 49.4332, 72.4216
YIQ	191.4950, 39.6520, 41.3160

Conversions

Conversions Part 2

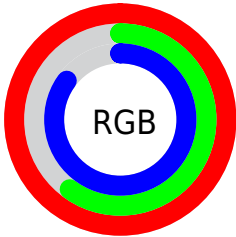
Format	Color
R _Y B	255, 154, 218
Decimal	16751322
CIE Lab	75.72, 46.19, -16.44
CIE LCh	76, 49.026, 340.402
Yxy	49.4332, 0.3494, 0.2639
Android (android.graphics.Color)	4294941402 (0xFFFF9ADA)
YUV	191.4950, 13.0670, 55.6939
Hunter-Lab	70.3087, 43.1256, -11.8556

Details

The XYZ color **65.4505, 49.4332, 72.4216** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.4922, 82.1525, 62.0676**, and the grayscale version is **49.7202, 52.3095, 56.9651**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **34.1940, 23.6290, 37.4090** is the 20% darker color. If you saturate the color by 10%, you get **60.4918, 41.4174, 64.9065**, and if you desaturate by 10%, it is **71.3743, 59.2686, 80.5996**.

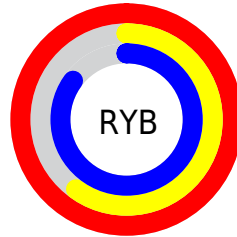
Distribution



Red (100%)

Green (60%)

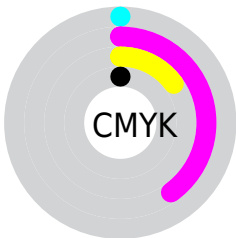
Blue (85%)



Red (100%)

Yellow (60%)

Blue (85%)

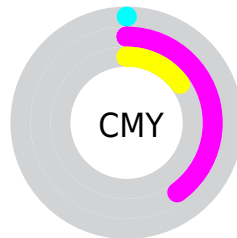


Cyan (0%)

Magenta (40%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4505, 49.4332, 72.4216 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 65.4505, 49.4332, 72.4216 by changing the saturation by 10% instead.


 65.4505, 49.4332,
72.4216


 65.4505, 49.4332,
72.4216


433.9288,
384.4452, 488.0246

 48.0925, 34.9632,
53.0142

 111.7594, 89.3345,
124.3690

 34.1117, 23.6346,
37.4263

 141.4410,
115.5347, 157.7462

 23.1427, 15.0628,
25.2394


175.9613,
146.4137, 196.6169

 14.8202, 8.8634,
16.0348

215.6854,
182.3559, 241.3999

 8.7788, 4.6522,
9.3942

260.9789,
223.7458, 292.5136

 4.6531, 2.0447,
4.8989

312.2071,

 2.0779, 0.6332,

270.9677, 350.3766

2.1303

369.7352,
324.4061, 415.4075

■ 0.6771, 0.0000,
0.6337

■ 0.0000, 0.0000,
0.0000

■ 65.4505, 49.4332,
72.4216

■ 65.4505, 49.4332,
72.4216

■ 60.4918, 41.4174,
64.9065

■ 71.3743, 59.2686,
80.5996

■ 56.4366, 35.1000,
58.0265

■ 78.3129, 71.0218,
89.4606

■ 53.2210, 30.3555,
51.7551

■ 86.3166, 84.7914,
99.0273

■ 50.7712, 27.0377,
46.0618

95.0500, 100.0000,
108.9000

■ 48.9992, 24.9728,
40.9114

■ 47.7680, 23.8887,
36.2521

■ 47.7243, 23.8537,
36.0761

Harmonies

Analogous

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



59.2493, 49.4332, 101.6539



65.4505, 49.4332, 72.4216



66.3593, 49.4332, 45.2819

Triad

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



65.4505, 49.4332, 72.4216



43.8988, 49.4332, 18.0747



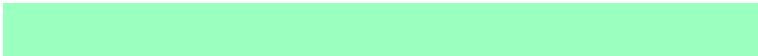
34.8913, 49.4332, 93.2277

Complementary

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



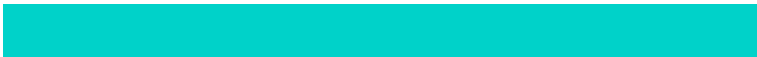
65.4505, 49.4332, 72.4216



58.4922, 82.1525, 62.0676

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.



31.8042, 49.4332, 63.3788



65.4505, 49.4332, 72.4216



36.5415, 49.4332, 23.9946

Square

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



65.4505, 49.4332, 72.4216



53.0949, 49.4332, 19.0969



32.3666, 49.4332, 38.7191



41.3624, 49.4332, 116.0995

Rectangle

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



65.4505, 49.4332, 72.4216



63.7308, 49.4332, 32.2572



32.3666, 49.4332, 38.7191



33.4638, 49.4332, 83.3410

Sweetspot

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



65.4517, 49.4353, 72.4226



84.3005, 81.3055, 96.6710



50.6809, 41.1975, 99.8885



17.8141, 17.0065, 20.4202



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.



65.4517, 49.4353, 72.4226



61.2255, 42.5868, 66.0696



59.9727, 47.2438, 43.5707



18.4938, 18.1808, 21.2173



25.0114, 12.4938, 19.2421



2.4879, 1.2375, 2.1506

Inverse Universe

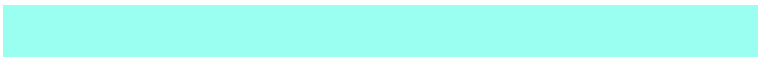
The Inverse Universe completely reimagines the original color for something new.



65.4517, 49.4353, 72.4226



61.2255, 42.5868, 66.0696



64.7937, 84.6731, 95.2506



18.4938, 18.1808, 21.2173



25.0114, 12.4938, 19.2421



2.4879, 1.2375, 2.1506

Previews

White Background



This preview shows how the XYZ color 65.4505, 49.4332, 72.4216 looks on a white background.

Color Contrast Check

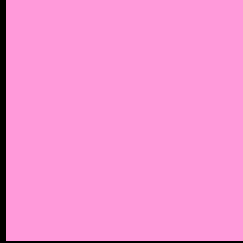
Large Text (above 18pt) WCAG AA × Fail

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 65.4505, 49.4332, 72.4216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

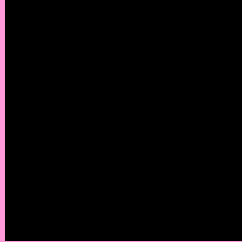
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4505, 49.4332, 72.4216

Background



This preview shows how black text looks on a background with the XYZ color 65.4505, 49.4332, 72.4216.



This preview shows how white text looks on a background with the XYZ color 65.4505, 49.4332,

72.4216.

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

65.4505, 49.4332, 72.4216

Protanopia

50.1625, 49.8142, 88.6326

Deuteranopia

50.7305, 49.5974, 69.8503



Tritanopia

60.0825, 49.2598, 46.8988

Trichromacy



Original Color

65.4505, 49.4332, 72.4216



Protanomaly

54.1885, 48.7381, 82.1527



Deuteranomaly

55.3372, 49.0103, 70.8333



Tritanomaly

61.9470, 49.2533, 55.5321

Monochromacy



Original Color

65.4505, 49.4332, 72.4216



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.1946, 50.3540, 62.1213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4505, 49.4332, 72.4216 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, 154, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 218)  
}
```

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, 154, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 218) }
```

Border

The CSS property to change the border of an element to XYZ 65.4505, 49.4332, 72.4216 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, 154, 218) }
```


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

```
.border{ border-color:rgb(255, 154, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4505, 49.4332, 72.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 218) }
```

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

```
.background{ background-color: rgb(255,  
154, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor