

Converting Colors

XYZ(64.9716, 48.9786, 70.7107)

Have a look what the booklet for
XYZ(64.9716, 48.9786, 70.7107)
contains.

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Color

**XYZ(65.0259, 49.0003,
70.9965)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99D8
RGB	255, 153, 216
RGB Percent	100%, 60%, 85%
CMY	0.0000, 0.4000, 0.1529
CMYK	0.00, 0.40, 0.15, 0.00
HSL	323°, 100%, 80%
HSV	323°, 40%, 100%
XYZ	65.0259, 49.0003, 70.9965
YIQ	190.6800, 40.5690, 41.2170

Conversions

Conversions Part 2

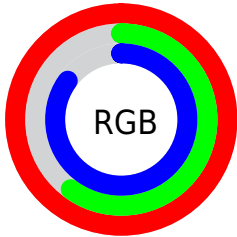
Format	Color
RYB	255, 153, 216
Decimal	16751064
CIELab	75.45, 46.39, -15.75
CIELCh	75, 48.989, 341.241
Yxy	49.0003, 0.3514, 0.2648
Android (android.graphics.Color)	4294941144 (0xFFFF99D8)
YUV	190.6800, 12.4828, 56.4086
Hunter-Lab	70.0002, 43.3152, -11.1337

Details

The XYZ color **65.0259, 49.0003, 70.9965** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.4131, 82.0989, 62.6402**, and the grayscale version is **49.2508, 51.8157, 56.4273**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.9208, 23.3672, 36.4407** is the 20% darker color. If you saturate the color by 10%, you get **60.0660, 41.0383, 63.3076**, and if you desaturate by 10%, it is **70.9547, 58.7800, 79.3786**.

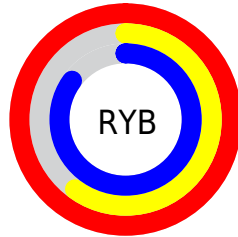
Distribution



Red (100%)

Green (60%)

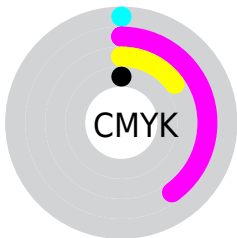
Blue (85%)



Red (100%)

Yellow (60%)

Blue (85%)

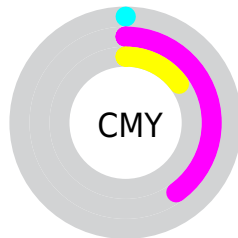


Cyan (0%)

Magenta (40%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0259, 49.0003, 70.9965 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 65.0259, 49.0003, 70.9965 by changing the saturation by 10% instead.


 65.0259, 49.0003,
70.9965


 65.0259, 49.0003,
70.9965


432.4288,
382.7435, 482.9245

 47.7469, 34.6197,
51.8575

 111.1526, 88.6919,
122.3231

 33.8369, 23.3701,
36.5101


 140.7310,
114.7717, 155.3479

 22.9306, 14.8670,
24.5356

175.1398,
145.5200, 193.8383

 14.6627, 8.7261,
15.5155

214.7445,
181.3213, 238.2130

 8.6678, 4.5630,
9.0314

259.9104,
222.5599, 288.8904

 4.5805, 1.9932,
4.6645

311.0028,

 2.0355, 0.6035,

269.6202, 346.2891

1.9965

368.3872,
322.8866, 410.8276

■ 0.6538, 0.0000,
0.5532

■ 0.0000, 0.0000,
0.0000

■ 65.0259, 49.0003,
70.9965

■ 65.0259, 49.0003,
70.9965

■ 60.0660, 41.0383,
63.3076

■ 70.9547, 58.7800,
79.3786

■ 56.0128, 34.7723,
56.2831

■ 77.9023, 70.4759,
88.4751

■ 52.8023, 30.0761,
49.8957

■ 85.9195, 84.1872,
98.3093

■ 50.3599, 26.8025,
44.1138

95.0500, 100.0000,
108.9000

■ 48.5967, 24.7763,
38.9010

■ 47.3685, 23.7115,
34.2022

■ 47.3683, 23.7113,
34.2011

Harmonies

Analogous

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



58.9838, 49.0003, 100.1635



65.0259, 49.0003, 70.9965



65.7648, 49.0003, 44.2340

Triad

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



65.0259, 49.0003, 70.9965



43.2697, 49.0003, 17.9311



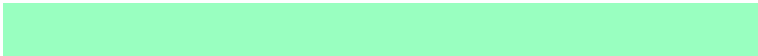
34.6986, 49.0003, 93.3096

Complementary

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



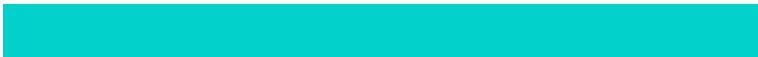
65.0259, 49.0003, 70.9965



58.4131, 82.0989, 62.6402

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.



31.5339, 49.0003, 63.6463



65.0259, 49.0003, 70.9965



36.0385, 49.0003, 24.0149

Square

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



65.0259, 49.0003, 70.9965



52.3835, 49.0003, 18.7593



31.9904, 49.0003, 38.9053



41.2094, 49.0003, 115.6528

Rectangle

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



65.0259, 49.0003, 70.9965



63.0530, 49.0003, 31.4939



31.9904, 49.0003, 38.9053



33.2487, 49.0003, 83.5243

Sweetspot

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



65.0270, 49.0024, 70.9975



84.2262, 81.2758, 96.2800



50.7785, 41.0037, 99.8459



17.7966, 16.9995, 20.3280



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.



65.0270, 49.0024, 70.9975



60.9824, 42.4896, 64.7896



59.5709, 46.8199, 42.2657



18.4810, 18.1757, 21.1502



24.8261, 12.4197, 18.2664



2.4706, 1.2306, 2.0594

Inverse Universe

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



65.0270, 49.0024, 70.9975



60.9824, 42.4896, 64.7896



64.8352, 84.6678, 96.4587



18.4810, 18.1757, 21.1502



24.8261, 12.4197, 18.2664



2.4706, 1.2306, 2.0594

Previews

White Background



This preview shows how the XYZ color 65.0259, 49.0003, 70.9965 looks on a white background.

Color Contrast Check

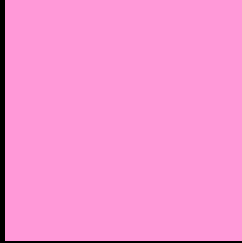
Large Text (above 18pt) WCAG AA × Fail

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 65.0259, 49.0003, 70.9965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

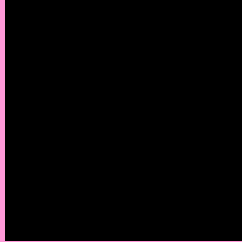
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0259, 49.0003, 70.9965

Background



This preview shows how black text looks on a background with the XYZ color 65.0259, 49.0003, 70.9965.



This preview shows how white text looks on a background with the XYZ color 65.0259, 49.0003,

70.9965.

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

65.0259, 49.0003, 70.9965

Protanopia

49.6601, 49.2796, 87.0153

Deuteranopia

50.2741, 49.0884, 68.4533



Tritanopia

59.7120, 48.8309, 45.8133

Trichromacy



Original Color

65.0259, 49.0003, 70.9965



Protanomaly

53.7150, 48.2408, 80.6091



Deuteranomaly

54.8921, 48.5288, 69.4247



Tritanomaly

61.5571, 48.8233, 54.3235

Monochromacy



Original Color

65.0259, 49.0003, 70.9965



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.8790, 49.9106, 61.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0259, 49.0003, 70.9965 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, 153, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 216) }
```

Border

The CSS property to change the border of an element to XYZ 65.0259, 49.0003, 70.9965 is called "border". The border property can be set on classes, ids or directly on the HTML element.

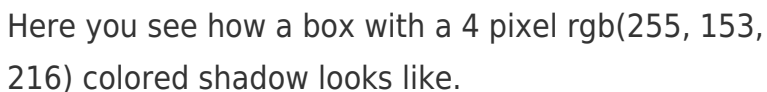
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 153, 216) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 216); box-shadow:4px 4px 4px 4px rgb(255, 153, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0259, 49.0003, 70.9965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 216) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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