

Converting Colors

XYZ(65.8760, 49.3404, 75.4732)

Have a look what the booklet for
XYZ(65.8760, 49.3404, 75.4732)
contains.

XYZ(65.8160, 49.3164, 75.1574)	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(65.8160, 49.3164,
75.1574)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99DE
RGB	255, 153, 222
RGB Percent	100%, 60%, 87%
CMY	0.0000, 0.4000, 0.1294
CMYK	0.00, 0.40, 0.13, 0.00
HSL	319°, 100%, 80%
HSV	319°, 40%, 100%
XYZ	65.8160, 49.3164, 75.1574
YIQ	191.3640, 38.6430, 43.0830

Conversions

Conversions Part 2

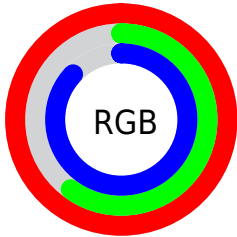
Format	Color
R _Y B	255, 153, 222
Decimal	16751070
CIE Lab	75.65, 47.32, -18.74
CIE LCh	76, 50.894, 338.395
Yxy	49.3164, 0.3459, 0.2592
Android (android.graphics.Color)	4294941150 (0xFFFF99DE)
YUV	191.3640, 15.1035, 55.8088
Hunter-Lab	70.2256, 44.3967, -14.2958

Details

The XYZ color **65.8160, 49.3164, 75.1574** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.7616, 81.8383, 59.2094**, and the grayscale version is **49.6331, 52.2179, 56.8653**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **34.4628, 23.5840, 39.2950** is the 20% darker color. If you saturate the color by 10%, you get **61.0007, 41.4122, 68.2298**, and if you desaturate by 10%, it is **71.5796, 59.0300, 82.6693**.

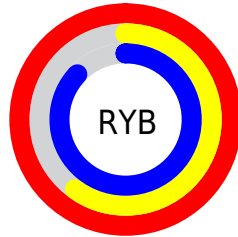
Distribution



Red (100%)

Green (60%)

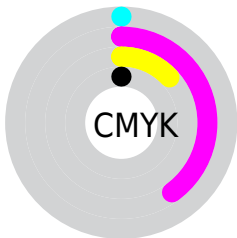
Blue (87%)



Red (100%)

Yellow (60%)

Blue (87%)

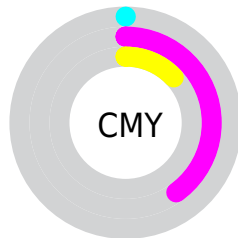


Cyan (0%)

Magenta (40%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8160, 49.3164, 75.1574 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 65.8160, 49.3164, 75.1574 by changing the saturation by 10% instead.


 65.8160, 49.3164,
75.1574


 65.8160, 49.3164,
75.1574

435.2176,
383.9866, 497.7282

 48.3902, 34.8705,
55.2393

 112.2814, 89.1612,
128.2843

 34.3485, 23.5632,
39.1935

 142.0517,
115.3289, 162.3302

 23.3256, 15.0099,
26.6013


176.6676,
146.1727, 201.9225

 14.9562, 8.8263,
17.0442

216.4943,
182.0770, 247.4797

 8.8747, 4.6281,
10.1037

261.8974,
223.4261, 299.4203

 4.7160, 2.0307,
5.3613

313.2420,

 2.1147, 0.6252,

270.6045, 358.1629

2.3983

370.8936,
323.9965, 424.1260

■ 0.6972, 0.0000,
0.7855

■ 0.0000, 0.0000,
0.0000

■ 65.8160, 49.3164,
75.1574

■ 65.8160, 49.3164,
75.1574

■ 61.0007, 41.4122,
68.2298

■ 71.5796, 59.0300,
82.6693

■ 57.0720, 35.1960,
61.8603

■ 78.3408, 70.6513,
90.7838

■ 53.9662, 30.5416,
56.0245

■ 86.1499, 84.2794,
99.5220

■ 51.6094, 27.3023,
50.6938

95.0500, 100.0000,
108.9000

■ 49.9134, 25.3030,
45.8347

■ 48.7345, 24.2579,
41.3952

■ 48.7342, 24.2577,
41.3942

Harmonies

Analogous

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



59.0500, 49.3164, 105.4917



65.8160, 49.3164, 75.1574



67.1780, 49.3164, 46.4730

Triad

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



65.8160, 49.3164, 75.1574



44.2783, 49.3164, 16.9859



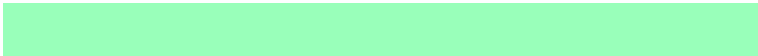
34.0601, 49.3164, 92.7979

Complementary

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



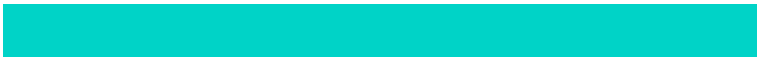
65.8160, 49.3164, 75.1574



57.7616, 81.8383, 59.2094

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.



31.1382, 49.3164, 61.6337



65.8160, 49.3164, 75.1574



36.4981, 49.3164, 22.4334

Square

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



65.8160, 49.3164, 75.1574



53.8661, 49.3164, 18.4610



31.9668, 49.3164, 36.7685



40.5143, 49.3164, 117.8251

Rectangle

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



65.8160, 49.3164, 75.1574



64.6856, 49.3164, 32.6097



31.9668, 49.3164, 36.7685



32.6744, 49.3164, 82.3430

Sweetspot

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



65.8172, 49.3185, 75.1584



84.4999, 81.3852, 97.7213



49.5234, 40.3568, 99.7872



17.8611, 17.0253, 20.6679



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.



65.8172, 49.3185, 75.1584



61.8899, 42.8526, 69.5683



60.0504, 47.0118, 44.7906



18.5280, 18.1945, 21.3975



25.5361, 12.7037, 22.0052



2.5365, 1.2570, 2.4064

Inverse Universe

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



65.8172, 49.3185, 75.1584



61.8899, 42.8526, 69.5683



64.0822, 84.3666, 92.4934



18.5280, 18.1945, 21.3975



25.5361, 12.7037, 22.0052



2.5365, 1.2570, 2.4064

Previews

White Background



This preview shows how the XYZ color 65.8160, 49.3164, 75.1574 looks on a white background.

Color Contrast Check

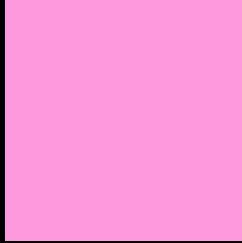
Large Text (above 18pt) WCAG AA × Fail

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 65.8160, 49.3164, 75.1574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

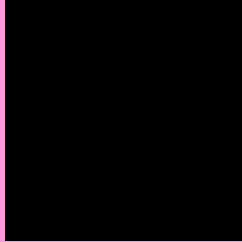
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8160, 49.3164, 75.1574

Background



This preview shows how black text looks on a background with the XYZ color 65.8160, 49.3164, 75.1574.



This preview shows how white text looks on a background with the XYZ color 65.8160, 49.3164,

75.1574.

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

65.8160, 49.3164, 75.1574

Protanopia

50.4727, 49.8875, 92.5570

Deuteranopia

50.7382, 49.5420, 72.5340



Tritanopia

60.0825, 49.2598, 46.8988

Trichromacy



Original Color

65.8160, 49.3164, 75.1574



Protanomaly

54.4410, 48.4998, 85.8489



Deuteranomaly

55.0806, 48.5364, 73.4832



Tritanomaly

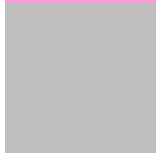
62.0574, 49.2975, 56.1138

Monochromacy



Original Color

65.8160, 49.3164, 75.1574



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.1144, 50.0047, 62.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8160, 49.3164, 75.1574 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 222) }
```

Border

The CSS property to change the border of an element to XYZ 65.8160, 49.3164, 75.1574 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, 222) }
```


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

```
.border{ border-color:rgb(255, 153, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 222); box-shadow:4px 4px 4px 4px rgb(255, 153, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8160, 49.3164, 75.1574 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
153, 222) }
```

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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