

Converting Colors

XYZ(66.4252, 49.5601, 78.3652)

Have a look what the booklet for
XYZ(66.4252, 49.5601, 78.3652)
contains.

XYZ(66.3587, 49.5335, 78.0149)	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(66.3587, 49.5335,
78.0149)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99E2
RGB	255, 153, 226
RGB Percent	100%, 60%, 89%
CMY	0.0000, 0.4000, 0.1137
CMYK	0.00, 0.40, 0.11, 0.00
HSL	317°, 100%, 80%
HSV	317°, 40%, 100%
XYZ	66.3587, 49.5335, 78.0149
YIQ	191.8200, 37.3590, 44.3270

Conversions

Conversions Part 2

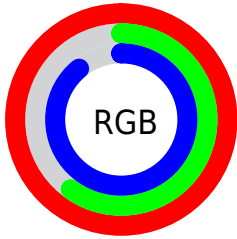
Format	Color
R_{YB}	255, 153, 226
Decimal	16751074
CIE _{Lab}	75.78, 47.95, -20.72
CIE _{LCh}	76, 52.237, 336.630
Yxy	49.5335, 0.3422, 0.2554
Android (android.graphics.Color)	4294941154 (0xFFFF99E2)
YUV	191.8200, 16.8507, 55.4089
Hunter-Lab	70.3800, 45.1359, -16.4558

Details

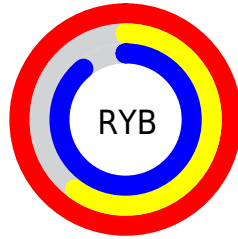
The XYZ color **66.3587, 49.5335, 78.0149** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.3422, 81.6706, 57.0007**, and the grayscale version is **49.8889, 52.4870, 57.1583**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **34.8385, 23.7343, 41.2731** is the 20% darker color. If you saturate the color by 10%, you get **61.6483, 41.6712, 71.6399**, and if you desaturate by 10%, it is **72.0052, 59.2002, 84.9107**.

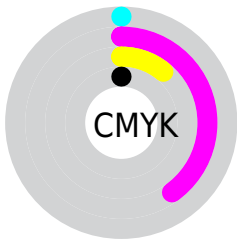
Distribution



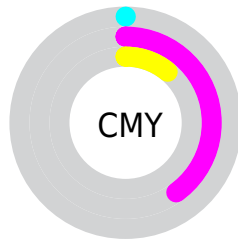
- Red (100%)
- Green (60%)
- Blue (89%)



- Red (100%)
- Yellow (60%)
- Blue (89%)



- Cyan (0%)
- Magenta (40%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3587, 49.5335, 78.0149 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 66.3587, 49.5335, 78.0149 by changing the saturation by 10% instead.


 66.3587, 49.5335,
78.0149


 66.3587, 49.5335,
78.0149

437.1271,
384.8388, 507.7467

 48.8324, 35.0429,
57.5697

 113.0559, 89.4833,
132.3572

 34.7006, 23.6959,
41.0504


 142.9575,
115.7113, 167.0914

 23.5977, 15.1082,
28.0385


177.7150,
146.6205, 207.4256

 15.1586, 8.8954,
18.1154

217.6936,
182.5953, 253.7784

 9.0178, 4.6730,
10.8625

263.2588,
224.0202, 306.5684

 4.8100, 2.0567,
5.8615

314.7758,

 2.1698, 0.6401,

271.2794, 366.2141

2.6936

372.6101,
324.7575, 433.1340

■ 0.7268, 0.0000,
0.9402

■ 0.0000, 0.0000,
0.0000

■ 66.3587, 49.5335,
78.0149

■ 66.3587, 49.5335,
78.0149

■ 61.6483, 41.6712,
71.6399

■ 72.0052, 59.2002,
84.9107

■ 57.8127, 35.4923,
65.7610

■ 78.6372, 70.7699,
92.3444

■ 54.7886, 30.8706,
60.3551

■ 86.3044, 84.3412,
100.3357

■ 52.5021, 27.6594,
55.3949

95.0500, 100.0000,
108.9000

■ 50.8655, 25.6839,
50.8484

■ 49.7353, 24.6582,
46.6652

■ 49.7350, 24.6580,
46.6642

Harmonies

Analogous

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



59.1070, 49.5335, 109.1534



66.3587, 49.5335, 78.0149



68.1409, 49.5335, 47.9986

Triad

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



66.3587, 49.5335, 78.0149



44.9594, 49.5335, 16.3745



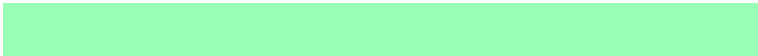
33.6436, 49.5335, 92.4899

Complementary

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



66.3587, 49.5335, 78.0149



57.3422, 81.6706, 57.0007

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.



30.8787, 49.5335, 60.3386



66.3587, 49.5335, 78.0149



36.8064, 49.5335, 21.4231

Square

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



66.3587, 49.5335, 78.0149



54.8719, 49.5335, 18.2605



31.9517, 49.5335, 35.4004



40.0632, 49.5335, 119.3209

Rectangle

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



66.3587, 49.5335, 78.0149



65.7965, 49.5335, 33.3606



31.9517, 49.5335, 35.4004



32.2993, 49.5335, 81.5912

Sweetspot

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



66.3599, 49.5356, 78.0159



84.6839, 81.4588, 98.6900



48.7112, 39.9380, 99.7492



17.9045, 17.0427, 20.8966



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.



66.3599, 49.5356, 78.0159



62.5175, 43.1036, 72.8731



60.3805, 47.1438, 46.5288



18.5595, 18.2071, 21.5635



26.0551, 12.9113, 24.7381



2.5839, 1.2759, 2.6562

Inverse Universe

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



66.3599, 49.5356, 78.0159



62.5175, 43.1036, 72.8731



63.5920, 84.1705, 89.9118



18.5595, 18.2071, 21.5635



26.0551, 12.9113, 24.7381



2.5839, 1.2759, 2.6562

Previews

White Background



This preview shows how the XYZ color 66.3587, 49.5335, 78.0149 looks on a white background.

Color Contrast Check

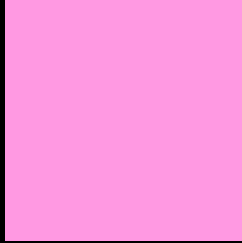
Large Text (above 18pt) WCAG AA × Fail

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 66.3587, 49.5335, 78.0149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

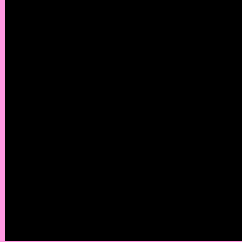
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3587, 49.5335, 78.0149

Background



This preview shows how black text looks on a background with the XYZ color 66.3587, 49.5335, 78.0149.



This preview shows how white text looks on a background with the XYZ color 66.3587, 49.5335,

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

66.3587, 49.5335, 78.0149

Protanopia

51.0254, 50.0835, 96.6003

Deuteranopia

50.9709, 49.9062, 75.3530



Tritanopia

59.9020, 49.4293, 46.9411

Trichromacy



Original Color

66.3587, 49.5335, 78.0149



Protanomaly

54.9081, 48.6555, 89.7166



Deuteranomaly

55.5124, 48.9789, 76.3401



Tritanomaly

61.9194, 49.2005, 57.2721

Monochromacy



Original Color

66.3587, 49.5335, 78.0149



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.8438, 50.6475, 64.0121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3587, 49.5335, 78.0149 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 226) }
```

Border

The CSS property to change the border of an element to XYZ 66.3587, 49.5335, 78.0149 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, 226) }
```


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

```
.border{ border-color:rgb(255, 153, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3587, 49.5335, 78.0149 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
153, 226) }
```

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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