

Converting Colors

XYZ(35.5664, 24.8290, 49.8124)

Have a look what the booklet for
XYZ(35.5664, 24.8290, 49.8124)
contains.

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Color

**XYZ(35.5071, 24.7674,
49.9229)**

Conversions

Conversions Part 1

Format	Color
Hex	BF69BB
RGB	191, 105, 187
RGB Percent	75%, 41%, 73%
CMY	0.2510, 0.5882, 0.2667
CMYK	0.00, 0.45, 0.02, 0.25
HSL	303°, 40%, 58%
HSV	303°, 45%, 75%
XYZ	35.5071, 24.7674, 49.9229
YIQ	140.0620, 24.9340, 43.7340

Conversions

Conversions Part 2

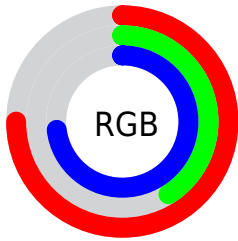
Format	Color
R_{YB}	191, 105, 187
Decimal	12544443
CIE _{Lab}	56.85, 46.10, -28.62
CIE _{LCh}	57, 54.266, 328.169
Yxy	24.7674, 0.3222, 0.2248
Android (android.graphics.Color)	4290734523 (0xFFBF69BB)
YUV	140.0620, 23.1404, 44.6726
Hunter-Lab	49.7669, 40.2622, -24.6391

Details

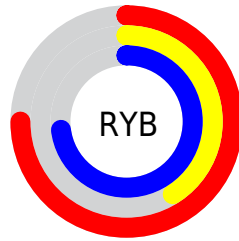
The XYZ color **35.5071, 24.7674, 49.9229** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.2179, 41.3699, 21.0201**, and the grayscale version is **24.8583, 26.1529, 28.4805**.

A 20% lighter version of the original color is **67.6427, 51.4071, 91.1514**, and **15.6601, 9.4739, 23.1936** is the 20% darker color. If you saturate the color by 10%, you get **33.6812, 21.2668, 48.8466**, and if you desaturate by 10%, it is **37.7721, 29.1442, 51.1489**.

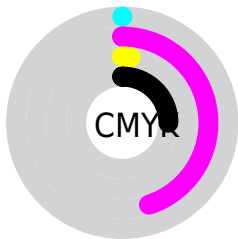
Distribution



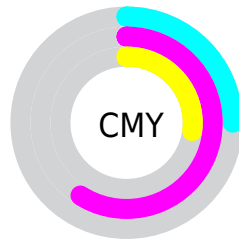
- Red (75%)
- Green (41%)
- Blue (73%)



- Red (75%)
- Yellow (41%)
- Blue (73%)



- Cyan (0%)
- Magenta (45%)
- Yellow (2%)
- Black (25%)





- Cyan (25%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5071, 24.7674, 49.9229 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 35.5071, 24.7674, 49.9229 by changing the saturation by 10% instead.


 35.5071, 24.7674,
49.9229


 35.5071, 24.7674,
49.9229

318.2700,
276.6776, 403.0908

 24.2221, 15.9038,
34.9814


 67.5995, 51.2796,
91.4558


 15.6241, 9.4561,
23.3651


 89.1375, 69.6971,
118.8842

 9.3477, 5.0399,
14.6555


 114.8240, 92.0680,
151.3120

 5.0276, 2.2707,
8.4340

 145.0243,
118.7767, 189.1577

 2.2984, 0.7581,
4.2822

180.1036,
150.2076, 232.8400

 0.7938, 0.0000,
1.7814

220.4275,

 0.0000, 0.0000,

186.7451, 282.7772

0.4156

266.3611,
228.7737, 339.3879

■ 0.0000, 0.0000,
0.0000

■ 35.5071, 24.7674,
49.9229

■ 35.5071, 24.7674,
49.9229

■ 33.6812, 21.2668,
48.8466

■ 37.7721, 29.1442,
51.1489

■ 32.2623, 18.5799,
47.9087

■ 40.5006, 34.4475,
52.5321

■ 31.2180, 16.6411,
47.0985


■ 43.7181, 40.7279,
54.0813

■ 30.5097, 15.3735,
46.4032


■ 47.4476, 48.0313,
55.8040

■ 30.0906, 14.6834,
45.8071


■ 51.7105, 56.4007,
57.7074

 29.9416, 14.4587,
45.5315

 56.5272, 65.8765,
59.7983

 61.9168, 76.4973,
62.0832

 66.9960, 86.4965,
64.2675

 67.0962, 86.5365,
64.7952

Harmonies

Analogous

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



29.7851, 24.7674, 71.0081



35.5071, 24.7674, 49.9229



37.9678, 24.7674, 28.0999

Triad

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



35.5071, 24.7674, 49.9229



23.9328, 24.7674, 4.9462



14.3372, 24.7674, 47.0625

Complementary

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



35.5071, 24.7674, 49.9229



27.2179, 41.3699, 21.0201

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.



13.3278, 24.7674, 25.8659



35.5071, 24.7674, 49.9229



18.2363, 24.7674, 6.3998

Square

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



35.5071, 24.7674, 49.9229



30.5823, 24.7674, 6.8376



14.6193, 24.7674, 12.4139



17.6725, 24.7674, 68.8995

Rectangle

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



35.5071, 24.7674, 49.9229



37.1455, 24.7674, 17.4706



14.6193, 24.7674, 12.4139



13.7442, 24.7674, 39.4011

Sweetspot

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



35.5079, 24.7685, 49.9234



78.8000, 73.9239, 97.0945



20.6248, 17.0458, 51.4940



17.0068, 15.6525, 21.1810



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.5079, 24.7685, 49.9234



60.3715, 38.1822, 87.5139



31.6596, 23.2292, 29.6583



9.9103, 9.6884, 11.9165



19.6855, 9.5053, 29.9670



0.7771, 0.3747, 1.2052

Inverse Universe

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



35.5079, 24.7685, 49.9234



60.3715, 38.1822, 87.5139



30.0326, 42.4958, 35.8422



9.9103, 9.6884, 11.9165



19.6855, 9.5053, 29.9670



0.7771, 0.3747, 1.2052

Previews

White Background



This preview shows how the XYZ color 35.5071, 24.7674, 49.9229 looks on a white background.

Color Contrast Check

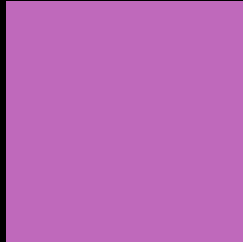
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.5071, 24.7674, 49.9229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

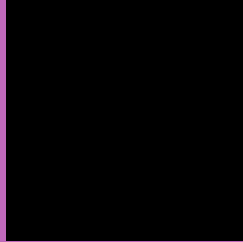
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.5071, 24.7674, 49.9229

Background



This preview shows how black text looks on a background with the XYZ color 35.5071, 24.7674, 49.9229.



This preview shows how white text looks on a background with the XYZ color 35.5071, 24.7674,

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

35.5071, 24.7674, 49.9229

Protanopia

26.5896, 25.0046, 65.0530

Deuteranopia

25.5649, 25.0653, 47.7466



Tritanopia

30.0764, 24.6795, 23.2571

Trichromacy



Original Color

35.5071, 24.7674, 49.9229

Protanomaly

28.3911, 23.9192, 58.9976

Deuteranomaly

28.2538, 24.2656, 48.5420

Tritanomaly

31.8235, 24.5450, 31.4941

Monochromacy



Original Color

35.5071, 24.7674, 49.9229

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.9733, 24.9840, 35.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5071, 24.7674, 49.9229 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(191, 105, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 105, 187)  
}
```

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(191, 105, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 105, 187) }
```

Border

The CSS property to change the border of an element to XYZ 35.5071, 24.7674, 49.9229 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(191, 105, 187) }
```


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

```
.border{ border-color:rgb(191, 105, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 105, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 105, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 105, 187); box-shadow:4px 4px 4px 4px rgb(191, 105, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5071, 24.7674, 49.9229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 105, 187) }
```

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

```
.background{ background-color: rgb(191,  
105, 187) }
```

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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