

Converting Colors

XYZ(34.6092, 23.7210, 49.3024)

Have a look what the booklet for
XYZ(34.6092, 23.7210, 49.3024)
contains.

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Color

**XYZ(34.5029, 23.6713,
49.2049)**

Conversions

Conversions Part 1

Format	Color
Hex	BD65BA
RGB	189, 101, 186
RGB Percent	74%, 40%, 73%
CMY	0.2588, 0.6039, 0.2706
CMYK	0.00, 0.47, 0.02, 0.26
HSL	302°, 40%, 57%
HSV	302°, 47%, 74%
XYZ	34.5029, 23.6713, 49.2049
YIQ	137.0020, 25.1630, 45.0910

Conversions

Conversions Part 2

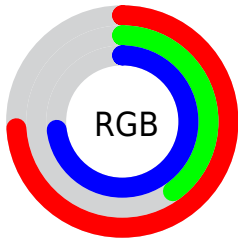
Format	Color
R_{YB}	189, 101, 186
Decimal	12412346
CIE _{Lab}	55.76, 47.38, -29.76
CIE _{LCh}	56, 55.950, 327.867
Yxy	23.6713, 0.3213, 0.2204
Android (android.graphics.Color)	4290602426 (0xFFBD65BA)
YUV	137.0020, 24.1560, 45.6022
Hunter-Lab	48.6532, 41.4421, -25.9052

Details

The XYZ color **34.5029, 23.6713, 49.2049** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **26.0641, 40.1623, 19.4764**, and the grayscale version is **23.6843, 24.9177, 27.1354**.

A 20% lighter version of the original color is **66.1061, 49.6277, 90.0993**, and **15.1635, 8.9584, 23.1202** is the 20% darker color. If you saturate the color by 10%, you get **32.8064, 20.3871, 48.3023**, and if you desaturate by 10%, it is **36.6233, 27.8016, 50.2508**.

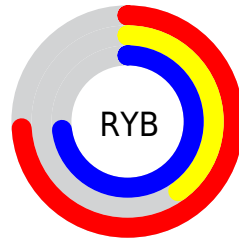
Distribution



Red (74%)

Green (40%)

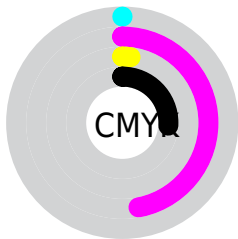
Blue (73%)



Red (74%)

Yellow (40%)

Blue (73%)

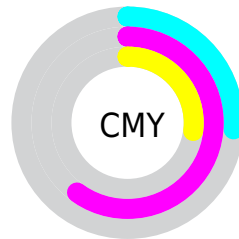


Cyan (0%)

Magenta (47%)

Yellow (2%)

Black (26%)



Cyan (26%)

Magenta (60%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5029, 23.6713, 49.2049 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 34.5029, 23.6713, 49.2049 by changing the saturation by 10% instead.

 34.5029, 23.6713,
49.2049


 34.5029, 23.6713,
49.2049


313.9153,
271.1544, 400.1940


 23.4449, 15.0900,
34.4153


 66.0541, 49.4933,
90.3798


 15.0449, 8.8826,
22.9329


 87.2780, 67.5027,
117.6023

 8.9374, 4.6647,
14.3391


 112.6212, 89.4236,
149.8060

 4.7572, 2.0519,
8.2155

 142.4492,
115.6404, 187.4097

 2.1388, 0.6374,
4.1434

177.1272,
146.5375, 230.8318

 0.7102, 0.0000,
1.7043

217.0207,

 0.0000, 0.0000,

182.4993, 280.4908

0.3637

262.4949,
223.9101, 336.8054

■ 0.0000, 0.0000,
0.0000

■ 34.5029, 23.6713,
49.2049

■ 34.5029, 23.6713,
49.2049

■ 32.8064, 20.3871,
48.3023

■ 36.6233, 27.8016,
50.2508

■ 31.5020, 17.8872,
47.5317

■ 39.1916, 32.8279,
51.4473

■ 30.5574, 16.1066,
46.8826


■ 42.2332, 38.8001,
52.8030


■ 29.9342, 14.9682,
46.3421


■ 45.7704, 45.7632,
54.3255


■ 29.5814, 14.3698,
45.8932


■ 49.8246, 53.7597,
56.0219

 29.4877, 14.2194,
45.7484

 54.4156, 62.8293,
57.8987

 59.5624, 73.0099,
59.9623

 65.2828, 84.3373,
62.2187

 66.2391, 86.1360,
62.8886

Harmonies

Analogous

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



28.7021, 23.6713, 70.6918



34.5029, 23.6713, 49.2049



37.0385, 23.6713, 27.0973

Triad

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



34.5029, 23.6713, 49.2049



22.9563, 23.6713, 4.2434



13.3392, 23.6713, 45.8172

Complementary

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



34.5029, 23.6713, 49.2049



26.0641, 40.1623, 19.4764

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.



12.3704, 23.6713, 24.4945



34.5029, 23.6713, 49.2049



17.2607, 23.6713, 5.5731

Square

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



34.5029, 23.6713, 49.2049



29.6378, 23.6713, 6.0552



13.6625, 23.6713, 11.2903



16.6095, 23.6713, 68.1725

Rectangle

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



34.5029, 23.6713, 49.2049



36.2352, 23.6713, 16.4653



13.6625, 23.6713, 11.2903



12.7640, 23.6713, 38.0599

Sweetspot

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



34.5037, 23.6724, 49.2054



77.0368, 72.2401, 95.1782



19.5412, 15.9217, 50.1882



16.2879, 14.9871, 20.3463



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.5037, 23.6724, 49.2054



58.6655, 36.3397, 86.4578



30.5284, 22.0823, 28.2718



9.9155, 9.6905, 11.9442



19.8459, 9.5695, 30.8120



0.7818, 0.3766, 1.2303

Inverse Universe

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



34.5037, 23.6724, 49.2054



58.6655, 36.3397, 86.4578



28.9054, 41.2989, 34.4384



9.9155, 9.6905, 11.9442



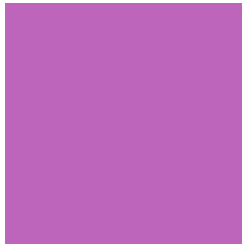
19.8459, 9.5695, 30.8120



0.7818, 0.3766, 1.2303

Previews

White Background



This preview shows how the XYZ color 34.5029, 23.6713, 49.2049 looks on a white background.

Color Contrast Check

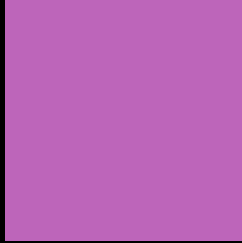
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5029, 23.6713, 49.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

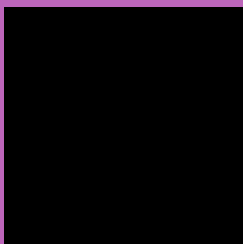
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5029, 23.6713, 49.2049

Background



This preview shows how black text looks on a background with the XYZ color 34.5029, 23.6713, 49.2049.



This preview shows how white text looks on a background with the XYZ color 34.5029, 23.6713,

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

34.5029, 23.6713, 49.2049

Protanopia

25.5831, 23.8788, 64.8887

Deuteranopia

24.3746, 23.8628, 46.5013



Tritanopia

28.8249, 23.5405, 22.0933

Trichromacy



Original Color

34.5029, 23.6713, 49.2049

Protanomaly

27.3688, 22.8481, 58.8447

Deuteranomaly

27.1349, 23.1631, 47.2967

Tritanomaly

30.6096, 23.4488, 30.5165

Monochromacy



Original Color

34.5029, 23.6713, 49.2049

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.8343, 23.8498, 34.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5029, 23.6713, 49.2049 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(189, 101, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 101, 186)  
}
```

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(189, 101, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 101, 186) }
```

Border

The CSS property to change the border of an element to XYZ 34.5029, 23.6713, 49.2049 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(189, 101, 186) }
```


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

```
.border{ border-color:rgb(189, 101, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 101, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 101, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 101, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 101,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5029, 23.6713, 49.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 101, 186) }
```

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

```
.background{ background-color: rgb(189,  
101, 186) }
```

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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