

Converting Colors

XYZ(35.9473, 26.2822, 50.9049)

Have a look what the booklet for
XYZ(35.9473, 26.2822, 50.9049)
contains.

XYZ(35.9685, 26.2599, 50.7499)	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(35.9685, 26.2599,
50.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	BD71BC
RGB	189, 113, 188
RGB Percent	74%, 44%, 74%
CMY	0.2588, 0.5568, 0.2627
CMYK	0.00, 0.40, 0.01, 0.26
HSL	301°, 37%, 59%
HSV	301°, 40%, 74%
XYZ	35.9685, 26.2599, 50.7499
YIQ	144.2740, 21.2210, 39.4370

Conversions

Conversions Part 2

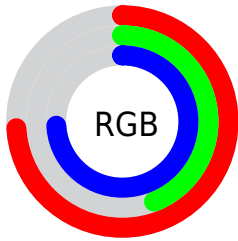
Format	Color
RYB	189, 113, 188
Decimal	12415420
CIELab	58.28, 41.47, -26.99
CIELCh	58, 49.484, 326.941
Yxy	26.2599, 0.3184, 0.2324
Android (android.graphics.Color)	4290605500 (0xFFBD71BC)
YUV	144.2740, 21.5569, 39.2247
Hunter-Lab	51.2444, 35.6116, -22.8468

Details

The XYZ color **35.9685, 26.2599, 50.7499** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.0460, 41.1218, 22.3802**, and the grayscale version is **26.5302, 27.9119, 30.3960**.

A 20% lighter version of the original color is **68.3231, 53.5782, 92.3286**, and **15.8572, 10.2348, 23.6940** is the 20% darker color. If you saturate the color by 10%, you get **34.0489, 22.4631, 49.9781**, and if you desaturate by 10%, it is **38.3289, 30.9372, 51.6694**.

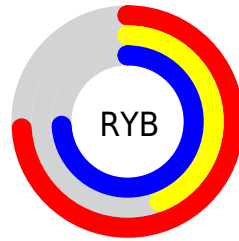
Distribution



Red (74%)

Green (44%)

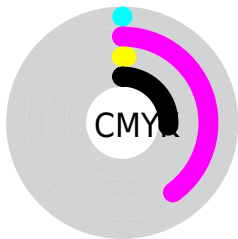
Blue (74%)



Red (74%)

Yellow (44%)

Blue (74%)

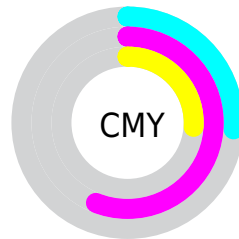


Cyan (0%)

Magenta (40%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (56%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9685, 26.2599, 50.7499 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 35.9685, 26.2599, 50.7499 by changing the saturation by 10% instead.


 35.9685, 26.2599,
50.7499


 35.9685, 26.2599,
50.7499

320.2565,
284.0556, 406.4101


 24.5799, 17.0182,
35.6343


 68.3076, 53.6939,
92.6927


 15.8914, 10.2475,
23.8644


 89.9888, 72.6550,
120.3569

 9.5377, 5.5633,
15.0218


 115.8316, 95.6247,
153.0411

 5.1534, 2.5814,
8.6879

 146.2013,
122.9874, 191.1638

 2.3732, 0.9173,
4.4442

181.4633,
155.1274, 235.1435

 0.8317, 0.0000,
1.8720

221.9829,

 0.0000, 0.0000,

192.4292, 285.3987

0.4748

268.1255,
235.2771, 342.3481

■ 0.0000, 0.0000,
0.0000

■ 35.9685, 26.2599,
50.7499

■ 35.9685, 26.2599,
50.7499

■ 34.0489, 22.4631,
49.9781

■ 38.3289, 30.9372,
51.6694

■ 32.5401, 19.4883,
49.3431

■ 41.1527, 36.5417,
52.7434

■ 31.4124, 17.2756,
48.8354


■ 44.4639, 43.1210,
53.9801


■ 30.6310, 15.7555,
48.4434

■ 48.2842, 50.7183,
55.3866


■ 30.1547, 14.8455,
48.1533

■ 52.6339, 59.3745,
56.9699

 29.9042, 14.3860,
47.9414

 57.5322, 69.1279,
58.7363

 62.9975, 80.0151,
60.6919

 66.0399, 86.0563,
61.8401

 66.0671, 86.0672,
61.9835

Harmonies

Analogous

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



30.5779, 26.2599, 69.4828



35.9685, 26.2599, 50.7499



38.3901, 26.2599, 30.3980

Triad

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



35.9685, 26.2599, 50.7499



25.5819, 26.2599, 6.6243



15.9990, 26.2599, 46.3901

Complementary

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



35.9685, 26.2599, 50.7499



28.0460, 41.1218, 22.3802

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.



15.0952, 26.2599, 26.8601



35.9685, 26.2599, 50.7499



20.0748, 26.2599, 8.0555

Square

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



35.9685, 26.2599, 50.7499



31.8191, 26.2599, 8.8398



16.4625, 26.2599, 14.0562



19.1638, 26.2599, 66.3345

Rectangle

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



35.9685, 26.2599, 50.7499



37.7466, 26.2599, 19.9820



16.4625, 26.2599, 14.0562



15.4452, 26.2599, 39.3776

Sweetspot

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



35.9694, 26.2611, 50.7505



78.3870, 74.7504, 96.2141



21.9017, 18.9964, 50.6572



16.6850, 15.7333, 20.6265



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.



35.9694, 26.2611, 50.7505



61.4300, 41.1182, 89.6933



32.4783, 24.8647, 32.3669



9.9244, 9.6941, 11.9909



20.1225, 9.6802, 32.2686



0.7900, 0.3799, 1.2732

Inverse Universe

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



35.9694, 26.2611, 50.7505



61.4300, 41.1182, 89.6933



30.5946, 42.1412, 35.8009



9.9244, 9.6941, 11.9909



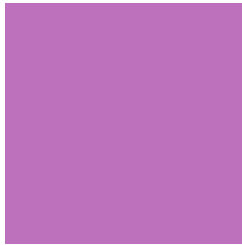
20.1225, 9.6802, 32.2686



0.7900, 0.3799, 1.2732

Previews

White Background



This preview shows how the XYZ color 35.9685, 26.2599, 50.7499 looks on a white background.

Color Contrast Check

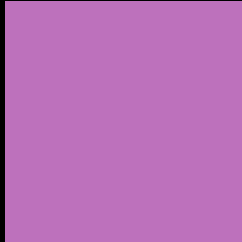
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9685, 26.2599, 50.7499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

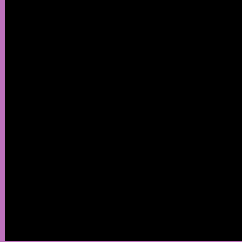
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.9685, 26.2599, 50.7499

Background



This preview shows how black text looks on a background with the XYZ color 35.9685, 26.2599, 50.7499.



This preview shows how white text looks on a background with the XYZ color 35.9685, 26.2599,

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

35.9685, 26.2599, 50.7499

Protanopia

27.8098, 26.5129, 63.3263

Deuteranopia

26.9958, 26.4211, 48.4767



Tritanopia

30.9281, 26.3335, 26.0071

Trichromacy



Original Color

35.9685, 26.2599, 50.7499

Protanomaly

29.7206, 25.7572, 58.6635

Deuteranomaly

29.5561, 25.8787, 49.3363

Tritanomaly

32.6777, 26.3221, 33.9302

Monochromacy



Original Color

35.9685, 26.2599, 50.7499

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

29.2299, 26.7867, 36.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9685, 26.2599, 50.7499 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, 113, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 188)  
}
```

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, 113, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 188) }
```

Border

The CSS property to change the border of an element to XYZ 35.9685, 26.2599, 50.7499 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, 113, 188) }
```


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

```
.border{ border-color:rgb(189, 113, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 113, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 188);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9685, 26.2599, 50.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 188) }
```

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

```
.background{ background-color: rgb(189,  
113, 188) }
```

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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