

Converting Colors

XYZ(36.1825, 27.8588, 49.4494)

Have a look what the booklet for
XYZ(36.1825, 27.8588, 49.4494)
contains.

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Color

**XYZ(36.0878, 27.7423,
49.3517)**

Conversions

Conversions Part 1

Format	Color
Hex	BB79B9
RGB	187, 121, 185
RGB Percent	73%, 47%, 73%
CMY	0.2667, 0.5255, 0.2745
CMYK	0.00, 0.35, 0.01, 0.27
HSL	302°, 33%, 60%
HSV	302°, 35%, 73%
XYZ	36.0878, 27.7423, 49.3517
YIQ	148.0300, 18.7920, 33.8960

Conversions

Conversions Part 2

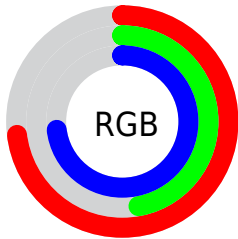
Format	Color
RYB	187, 121, 185
Decimal	12286393
CIELab	59.66, 35.96, -23.19
CIELCh	60, 42.787, 327.180
Yxy	27.7423, 0.3188, 0.2451
Android (android.graphics.Color)	4290476473 (0xFFBB79B9)
YUV	148.0300, 18.2262, 34.1767
Hunter-Lab	52.6710, 30.1261, -18.6839

Details

The XYZ color **36.0878, 27.7423, 49.3517** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.2317, 41.0365, 25.1206**, and the grayscale version is **28.0825, 29.5450, 32.1745**.

A 20% lighter version of the original color is **68.3215, 55.8561, 90.3995**, and **16.0279, 11.0328, 23.1146** is the 20% darker color. If you saturate the color by 10%, you get **33.9724, 23.6065, 48.3522**, and if you desaturate by 10%, it is **38.6457, 32.7616, 50.5004**.

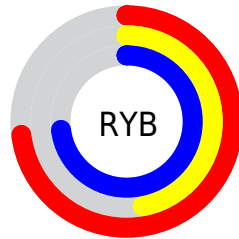
Distribution



Red (73%)

Green (47%)

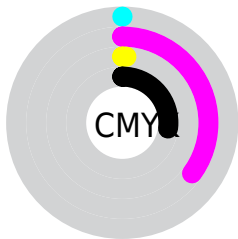
Blue (73%)



Red (73%)

Yellow (47%)

Blue (73%)

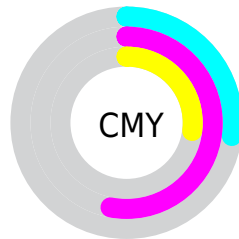


Cyan (0%)

Magenta (35%)

Yellow (1%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0878, 27.7423, 49.3517 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 36.0878, 27.7423, 49.3517 by changing the saturation by 10% instead.


 36.0878, 27.7423,
49.3517


 36.0878, 27.7423,
49.3517


320.7687,
291.2335, 400.7874


 24.6724, 18.1315,
34.5310


 68.4905, 56.0727,
90.6000

 15.9606, 11.0444,
23.0212


 90.2086, 75.5612,
117.8646

 9.5870, 6.0967,
14.4037


 116.0917, 99.1109,
150.1143

 5.1861, 2.9040,
8.2600

146.5050,
127.1064, 187.7676

 2.3928, 1.0818,
4.1716

181.8141,
159.9320, 231.2430

 0.8415, 0.0000,
1.7200

222.3841,

 0.0000, 0.0000,

197.9721, 280.9591

0.3744

268.5805,
241.6112, 337.3344

■ 0.0000, 0.0000,
0.0000

■ 36.0878, 27.7423,
49.3517

■ 36.0878, 27.7423,
49.3517

■ 33.9724, 23.6065,
48.3522

■ 38.6457, 32.7616,
50.5004

■ 32.2713, 20.2994,
47.4917

■ 41.6670, 38.7078,
51.8045

■ 30.9571, 17.7659,
46.7614


■ 45.1742, 45.6256,
53.2718


■ 29.9983, 15.9427,
46.1506


■ 49.1880, 53.5561,
54.9091


■ 29.3581, 14.7564,
45.6473


■ 53.7276, 62.5377,
56.7228


 28.9915, 14.1169,
45.2364

 58.8112, 72.6070,
58.7190

 28.8685, 13.9148,
45.0598

 64.4562, 83.7988,
60.9036

 65.4973, 85.7823,
61.5547

 65.5592, 85.8071,
61.8806

Harmonies

Analogous

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



31.3992, 27.7423, 65.1158



36.0878, 27.7423, 49.3517



38.1527, 27.7423, 31.6927

Triad

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



36.0878, 27.7423, 49.3517



26.8821, 27.7423, 9.1821



18.1709, 27.7423, 45.9210

Complementary

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



36.0878, 27.7423, 49.3517



29.2317, 41.0365, 25.1206

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.



17.3008, 27.7423, 28.7678



36.0878, 27.7423, 49.3517



21.9056, 27.7423, 10.7293

Square

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



36.0878, 27.7423, 49.3517



32.4033, 27.7423, 11.4796



18.5722, 27.7423, 16.7902



21.1333, 27.7423, 62.7060

Rectangle

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



36.0878, 27.7423, 49.3517



37.5792, 27.7423, 22.2497



18.5722, 27.7423, 16.7902



17.6432, 27.7423, 39.8650

Sweetspot

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



36.0887, 27.7435, 49.3523



77.1013, 74.2072, 93.8257



23.8485, 21.4089, 49.8897



16.7950, 15.9789, 20.5847



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.



36.0887, 27.7435, 49.3523



61.7604, 44.0674, 87.0409



33.0734, 26.5374, 33.4740



9.9171, 9.6912, 11.9526



19.8955, 9.5893, 31.0729



0.7833, 0.3772, 1.2380

Inverse Universe

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



36.0887, 27.7435, 49.3523



61.7604, 44.0674, 87.0409



31.5813, 41.9763, 37.4933



9.9171, 9.6912, 11.9526



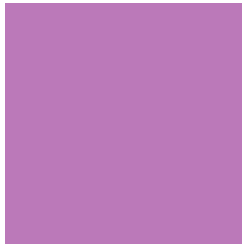
19.8955, 9.5893, 31.0729



0.7833, 0.3772, 1.2380

Previews

White Background



This preview shows how the XYZ color 36.0878, 27.7423, 49.3517 looks on a white background.

Color Contrast Check

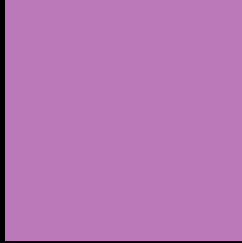
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0878, 27.7423, 49.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

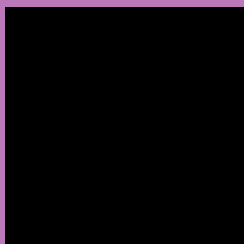
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.0878, 27.7423, 49.3517

Background



This preview shows how black text looks on a background with the XYZ color 36.0878, 27.7423, 49.3517.



This preview shows how white text looks on a background with the XYZ color 36.0878, 27.7423,

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

36.0878, 27.7423, 49.3517

Protanopia

28.8198, 27.9987, 59.1437

Deuteranopia

28.5128, 27.8749, 47.5937



Tritanopia

31.7723, 27.6825, 28.4796

Trichromacy



Original Color

36.0878, 27.7423, 49.3517

Protanomaly

30.5882, 27.2862, 55.2844

Deuteranomaly

30.6789, 27.4955, 47.9462

Tritanomaly

33.1186, 27.6463, 35.0432

Monochromacy



Original Color

36.0878, 27.7423, 49.3517

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.4218, 28.4315, 37.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0878, 27.7423, 49.3517 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(187, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 121, 185)  
}
```

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(187, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 121, 185) }
```

Border

The CSS property to change the border of an element to XYZ 36.0878, 27.7423, 49.3517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

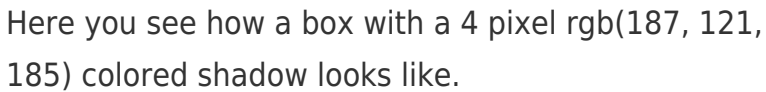
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 121, 185) }
```


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

```
.border{ border-color:rgb(187, 121, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 121, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 121, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 121, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 121,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0878, 27.7423, 49.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 121, 185) }
```

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

```
.background{ background-color: rgb(187,  
121, 185) }
```

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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