

Converting Colors

XYZ(29.7574, 16.9532, 42.4794)

Have a look what the booklet for
XYZ(29.7574, 16.9532, 42.4794)
contains.

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Color

**XYZ(29.6563, 16.8717,
42.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	BA3DAF
RGB	186, 61, 175
RGB Percent	73%, 24%, 69%
CMY	0.2706, 0.7608, 0.3137
CMYK	0.00, 0.67, 0.06, 0.27
HSL	305°, 51%, 48%
HSV	305°, 67%, 73%
XYZ	29.6563, 16.8717, 42.2509
YIQ	111.3710, 37.9060, 61.9540

Conversions

Conversions Part 2

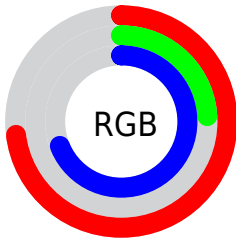
Format	Color
RYB	186, 61, 175
Decimal	12205487
CIELab	48.10, 62.84, -35.36
CIELCh	48, 72.110, 330.632
Yxy	16.8717, 0.3340, 0.1900
Android (android.graphics.Color)	4290395567 (0xFFBA3DAF)
YUV	111.3710, 31.3691, 65.4496
Hunter-Lab	41.0752, 56.9955, -32.2345

Details

The XYZ color **29.6563, 16.8717, 42.2509** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.6539, 36.5785, 12.1038**, and the grayscale version is **15.1219, 15.9094, 17.3254**.

A 20% lighter version of the original color is **58.5584, 38.1389, 79.8765**, and **12.5661, 6.0723, 18.9221** is the 20% darker color. If you saturate the color by 10%, you get **28.6704, 15.1553, 41.1339**, and if you desaturate by 10%, it is **30.9895, 19.2789, 43.4936**.

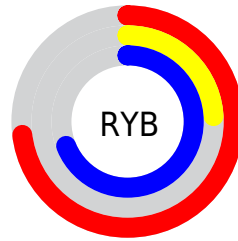
Distribution



Red (73%)

Green (24%)

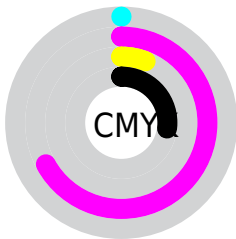
Blue (69%)



Red (73%)

Yellow (24%)

Blue (69%)

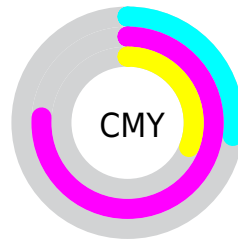


Cyan (0%)

Magenta (67%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (76%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6563, 16.8717, 42.2509 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 29.6563, 16.8717, 42.2509 by changing the saturation by 10% instead.

■ 29.6563, 16.8717,
42.2509

■ 29.6563, 16.8717,
42.2509

292.2378,
234.4319, 371.3523

■ 19.7246, 10.1431,
28.9708

■ 58.5086, 38.1051,
79.8534

■ 12.3021, 5.4939,
18.8133

■ 78.1599, 53.3786,
105.0128

■ 7.0235, 2.5399,
11.3600

■ 101.7818, 72.2691,
134.9691

■ 3.5232, 0.8965,
6.1923

■ 129.7397, 95.1612,
170.1408

■ 1.4361, 0.0000,
2.8917

■ 162.3988,
122.4391, 210.9464

■ 0.2817, 0.0000,
1.0396

200.1247,

■ 0.0000, 0.0000,

154.4872, 257.8045

0.0000

243.2825,
191.6901, 311.1336

■ 29.6563, 16.8717,
42.2509

■ 29.6563, 16.8717,
42.2509

■ 28.6704, 15.1553,
41.1339

■ 30.9895, 19.2789,
43.4936

■ 27.9927, 14.0526,
40.1291

■ 32.7004, 22.4386,
44.8716

■ 27.5706, 13.4579,
39.2191

■ 34.8179, 26.4083,
46.3949

■ 27.4708, 13.3276,
38.9722

■ 37.3676, 31.2395,
48.0719

■ 40.3731, 36.9791,
49.9107

■ 43.8564, 43.6709,
51.9185

■ 47.8377, 51.3557,
54.1021

■ 52.3363, 60.0720,
56.4680

■ 57.3705, 69.8561,
59.0223

Harmonies

Analogous

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



23.3222, 16.8717, 69.9359



29.6563, 16.8717, 42.2509



32.1533, 16.8717, 17.9766

Triad

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



29.6563, 16.8717, 42.2509



15.8979, 16.8717, 0.7566



7.4767, 16.8717, 43.4595

Complementary

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



29.6563, 16.8717, 42.2509



20.6539, 36.5785, 12.1038

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.



6.4723, 16.8717, 18.7700



29.6563, 16.8717, 42.2509



10.4515, 16.8717, 1.5495

Square

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



29.6563, 16.8717, 42.2509



23.0156, 16.8717, 1.4744



7.3937, 16.8717, 5.7764



10.6328, 16.8717, 70.9076

Rectangle

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



29.6563, 16.8717, 42.2509



30.8909, 16.8717, 8.3894



7.3937, 16.8717, 5.7764



6.9217, 16.8717, 34.1781

Sweetspot

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



29.6569, 16.8725, 42.2512



71.3817, 63.5883, 89.3897



13.1617, 8.2389, 47.3516



15.3782, 13.3513, 19.4769



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.



29.6569, 16.8725, 42.2512



51.2699, 26.3128, 73.5969



24.9046, 14.9716, 17.2257



9.3459, 9.1487, 11.1690



18.4954, 8.9719, 26.2931



0.6621, 0.3203, 0.9799

Inverse Universe

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



29.6569, 16.8725, 42.2512



51.2699, 26.3128, 73.5969



23.7814, 37.8295, 28.5733



9.3459, 9.1487, 11.1690



18.4954, 8.9719, 26.2931



0.6621, 0.3203, 0.9799

Previews

White Background



This preview shows how the XYZ color 29.6563, 16.8717, 42.2509 looks on a white background.

Color Contrast Check

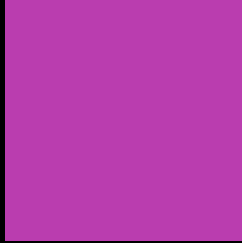
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.6563, 16.8717, 42.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

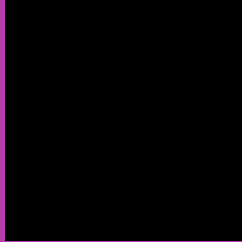
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6563, 16.8717, 42.2509

Background



This preview shows how black text looks on a background with the XYZ color 29.6563, 16.8717, 42.2509.



This preview shows how white text looks on a background with the XYZ color 29.6563, 16.8717,

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

29.6563, 16.8717, 42.2509

Protanopia

20.0709, 17.2931, 69.9902

Deuteranopia

17.6085, 17.2043, 38.9519



Tritanopia

23.3910, 16.7754, 12.1303

Trichromacy



Original Color

29.6563, 16.8717, 42.2509



Protanomaly

20.1803, 14.9550, 58.9497



Deuteranomaly

20.1003, 15.5987, 39.9817



Tritanomaly

24.9891, 16.4162, 20.2639

Monochromacy



Original Color

29.6563, 16.8717, 42.2509



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.6987, 14.9532, 24.4550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6563, 16.8717, 42.2509 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(186, 61, 175)` looks like.

```
.text, #text, p{  
    color:rgb(186, 61, 175)  
}
```

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(186, 61, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 61, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.6563, 16.8717, 42.2509 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(186, 61, 175) }
```


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

```
.border{ border-color:rgb(186, 61, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 61, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 61, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 61, 175);  
box-shadow:4px 4px 4px 4px rgb(186, 61,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6563, 16.8717, 42.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 61, 175) }
```

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

```
.background{ background-color: rgb(186, 61,  
175) }
```

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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