

Converting Colors

XYZ(29.3346, 17.8213, 34.2490)

Have a look what the booklet for
XYZ(29.3346, 17.8213, 34.2490)
contains.

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Color

**XYZ(29.4752, 17.9222,
34.2536)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BD489E |
| RGB | 189, 72, 158 |
| RGB Percent | 74%, 28%, 62% |
| CMY | 0.2588, 0.7176, 0.3804 |
| CMYK | 0.00, 0.62, 0.16, 0.26 |
| HSL | 316°, 47%, 51% |
| HSV | 316°, 62%, 74% |
| XYZ | 29.4752, 17.9222, 34.2536 |
| YIQ | 116.7870, 42.1260, 51.5500 |

Conversions

Conversions Part 2

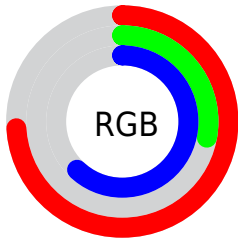
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 189, 72, 158 |
| Decimal | 12404894 |
| CIE _{Lab} | 49.40, 56.53, -23.26 |
| CIE _{LCh} | 49, 61.131, 337.634 |
| Yxy | 17.9222, 0.3610, 0.2195 |
| Android (android.graphics.Color) | 4290594974 (0xFFBD489E) |
| YUV | 116.7870, 20.3180, 63.3308 |
| Hunter-Lab | 42.3346, 50.1939, -18.3382 |

Details

The XYZ color **29.4752, 17.9222, 34.2536** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **23.3192, 38.7528, 19.0846**, and the grayscale version is **16.7736, 17.6471, 19.2177**.

A 20% lighter version of the original color is **58.3110, 39.9393, 67.5865**, and **12.1281, 5.9678, 14.1484** is the 20% darker color. If you saturate the color by 10%, you get **28.0135, 15.6745, 31.6828**, and if you desaturate by 10%, it is **31.3311, 20.9297, 37.0428**.

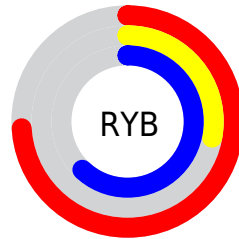
Distribution



Red (74%)

Green (28%)

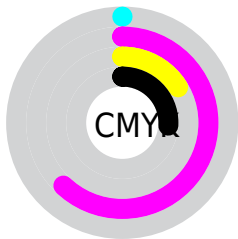
Blue (62%)



Red (74%)

Yellow (28%)

Blue (62%)

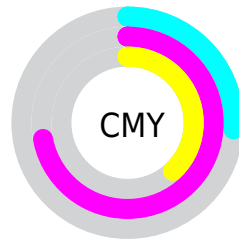


Cyan (0%)

Magenta (62%)

Yellow (16%)

Black (26%)



Cyan (26%)

Magenta (72%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4752, 17.9222, 34.2536 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 29.4752, 17.9222, 34.2536 by changing the saturation by 10% instead.

■ 29.4752, 17.9222,
34.2536

■ 29.4752, 17.9222,
34.2536

291.4044,
240.4322, 336.0650

■ 19.5867, 10.8941,
22.8096

■ 58.2236, 39.9047,
67.4662

■ 12.2015, 5.9957,
14.2490

■ 77.8142, 55.6280,
90.0719

■ 6.9542, 2.8425,
8.1533

■ 101.3695, 75.0184,
117.2352

■ 3.4796, 1.0500,
4.1040

■ 129.2549, 98.4604,
149.3747

■ 1.4121, 0.0000,
1.6826

■ 161.8357,
126.3384, 186.9088

■ 0.2649, 0.0000,
0.3488

199.4774,

■ 0.0000, 0.0000,

159.0368, 230.2563

0.0000

242.5451,
196.9399, 279.8355

■ 29.4752, 17.9222,
34.2536

■ 29.4752, 17.9222,
34.2536

■ 28.0135, 15.6745,
31.6828

■ 31.3311, 20.9297,
37.0428

■ 26.9084, 14.1124,
29.3163

■ 33.6109, 24.7568,
40.0609

■ 26.1177, 13.1517,
27.1393

■ 36.3432, 29.4603,
43.3185

■ 25.6408, 12.6807,
25.4920

■ 39.5538, 35.0911,
46.8251

■ 43.2663, 41.6965,
50.5896

■ 47.5029, 49.3201,
54.6203

■ 52.2842, 58.0033,
58.9251

■ 57.6298, 67.7850,
63.5113

■ 63.5584, 78.7020,
68.3861

Harmonies

Analogous

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



24.7368, 17.9222, 56.9827



29.4752, 17.9222, 34.2536



30.5479, 17.9222, 15.5944

Triad

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



29.4752, 17.9222, 34.2536



15.6043, 17.9222, 1.9328



9.6794, 17.9222, 46.0168

Complementary

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



29.4752, 17.9222, 34.2536



23.3192, 38.7528, 19.0846

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.



8.2425, 17.9222, 24.0414



29.4752, 17.9222, 34.2536



11.1242, 17.9222, 3.6268

Square

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



29.4752, 17.9222, 34.2536



21.6089, 17.9222, 2.4197



8.7041, 17.9222, 9.7575



13.1560, 17.9222, 66.0376

Rectangle

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



29.4752, 17.9222, 34.2536



28.8591, 17.9222, 8.1849



8.7041, 17.9222, 9.7575



8.9822, 17.9222, 38.2466

Sweetspot

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



29.4758, 17.9231, 34.2539



72.4796, 65.7497, 85.5696



16.8986, 11.0911, 49.3946



15.1987, 13.4529, 17.9973



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.



29.4758, 17.9231, 34.2539



49.4552, 27.0258, 55.3132



25.6657, 16.3990, 14.1901



9.8191, 9.6519, 11.4364



17.2847, 8.5451, 17.3249



0.7027, 0.3450, 0.8137

Inverse Universe

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



29.4758, 17.9231, 34.2539



49.4552, 27.0258, 55.3132



27.1942, 40.3028, 39.4900



9.8191, 9.6519, 11.4364



17.2847, 8.5451, 17.3249



0.7027, 0.3450, 0.8137

Previews

White Background



This preview shows how the XYZ color 29.4752, 17.9222, 34.2536 looks on a white background.

Color Contrast Check

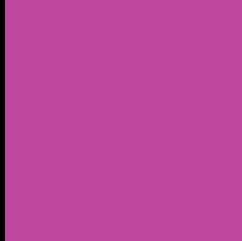
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4752, 17.9222, 34.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

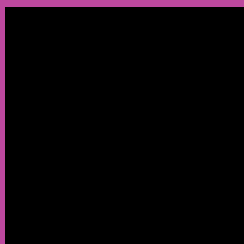
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4752, 17.9222, 34.2536

Background



This preview shows how black text looks on a background with the XYZ color 29.4752, 17.9222, 34.2536.

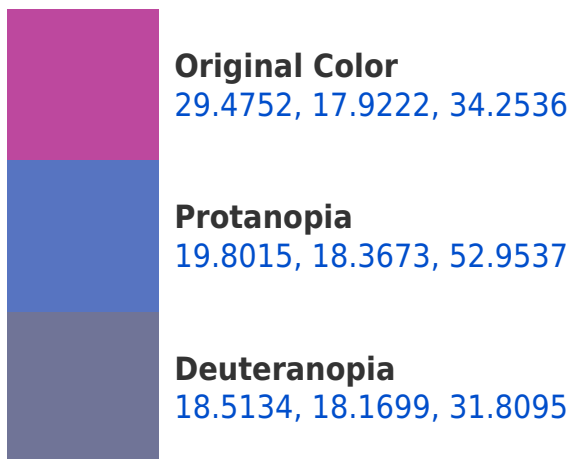


This preview shows how white text looks on a background with the XYZ color 29.4752, 17.9222,

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





Tritanopia

25.0837, 17.8730, 12.9542

Trichromacy



Original Color

29.4752, 17.9222, 34.2536

Protanomaly

21.1076, 16.6947, 45.2899

Deuteranomaly

21.2051, 17.0229, 32.7400

Tritanomaly

26.2949, 17.6569, 19.1618

Monochromacy



Original Color

29.4752, 17.9222, 34.2536

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.1462, 16.8129, 24.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4752, 17.9222, 34.2536 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, 72, 158)` looks like.

```
.text, #text, p{  
    color:rgb(189, 72, 158)  
}
```

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, 72, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 72, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.4752, 17.9222, 34.2536 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, 72, 158) }
```


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

```
.border{ border-color:rgb(189, 72, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 72, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 72, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 72, 158);  
box-shadow:4px 4px 4px 4px rgb(189, 72,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4752, 17.9222, 34.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 72, 158) }
```

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

```
.background{ background-color: rgb(189, 72,  
158) }
```

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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