

Converting Colors

XYZ(28.9955, 17.7480, 36.9196)

Have a look what the booklet for
XYZ(28.9955, 17.7480, 36.9196)
contains.

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Color

**XYZ(29.0910, 17.7597,
37.0167)**

Conversions

Conversions Part 1

Format	Color
Hex	B949A4
RGB	185, 73, 164
RGB Percent	73%, 29%, 64%
CMY	0.2745, 0.7137, 0.3569
CMYK	0.00, 0.61, 0.11, 0.27
HSL	311°, 44%, 51%
HSV	311°, 61%, 73%
XYZ	29.0910, 17.7597, 37.0167
YIQ	116.8620, 37.5410, 52.0450

Conversions

Conversions Part 2

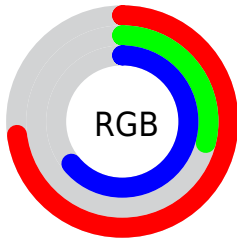
Format	Color
RYB	185, 73, 164
Decimal	12143012
CIELab	49.20, 55.91, -27.17
CIELCh	49, 62.161, 334.085
Yxy	17.7597, 0.3469, 0.2118
Android (android.graphics.Color)	4290333092 (0xFFB949A4)
YUV	116.8620, 23.2390, 59.7570
Hunter-Lab	42.1423, 49.4704, -22.5793

Details

The XYZ color **29.0910, 17.7597, 37.0167** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.1179, 36.9233, 16.5522**, and the grayscale version is **16.7888, 17.6632, 19.2352**.

A 20% lighter version of the original color is **57.4675, 39.6075, 71.6340**, and **12.0322, 5.9455, 15.8427** is the 20% darker color. If you saturate the color by 10%, you get **27.7424, 15.5567, 35.0426**, and if you desaturate by 10%, it is **30.8108, 20.6907, 39.1570**.

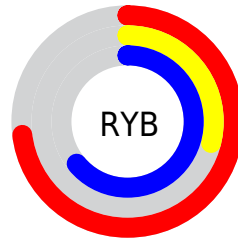
Distribution



Red (73%)

Green (29%)

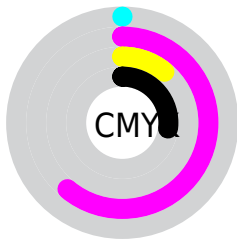
Blue (64%)



Red (73%)

Yellow (29%)

Blue (64%)

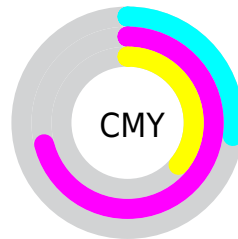


Cyan (0%)

Magenta (61%)

Yellow (11%)

Black (27%)



Cyan (27%)

Magenta (71%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0910, 17.7597, 37.0167 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 29.0910, 17.7597, 37.0167 by changing the saturation by 10% instead.

■ 29.0910, 17.7597,
37.0167

■ 29.0910, 17.7597,
37.0167

289.6305,
239.5131, 348.5537

■ 19.2943, 10.7776,
24.9245

■ 57.6182, 39.6274,
71.7851

■ 11.9884, 5.9175,
15.8023

■ 77.0794, 55.2819,
95.2984

■ 6.8079, 2.7950,
9.2315

■ 100.4928, 74.5958,
123.4558

■ 3.3875, 1.0257,
4.7936

■ 128.2238, 97.9538,
156.6759

■ 1.3619, 0.0000,
2.0701

■ 160.6377,
125.7401, 195.3772

■ 0.2288, 0.0000,
0.5979

198.0999,

■ 0.0000, 0.0000,

158.3392, 239.9782

0.0000

240.9757,
196.1354, 290.8975

■ 29.0910, 17.7597,
37.0167

■ 29.0910, 17.7597,
37.0167

■ 27.7424, 15.5567,
35.0426

■ 30.8108, 20.6907,
39.1570

■ 26.7300, 14.0129,
33.2223

■ 32.9292, 24.4054,
41.4725

■ 26.0151, 13.0507,
31.5426

■ 35.4729, 28.9569,
43.9726

■ 25.5379, 12.5265,
30.0576

■ 38.4659, 34.3930,
46.6656

■ 41.9303, 40.7579,
49.5592

■ 45.8869, 48.0928,
52.6606

■ 50.3550, 56.4364,
55.9766

■ 55.3529, 65.8253,
59.5136

■ 60.8981, 76.2944,
63.2777

Harmonies

Analogous

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



23.9671, 17.7597, 59.9265



29.0910, 17.7597, 37.0167



30.6978, 17.7597, 17.1412

Triad

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



29.0910, 17.7597, 37.0167



16.0947, 17.7597, 1.7442



9.1993, 17.7597, 43.4596

Complementary

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



29.0910, 17.7597, 37.0167



22.1179, 36.9233, 16.5522

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.



7.9916, 17.7597, 21.7134



29.0910, 17.7597, 37.0167



11.3491, 17.7597, 3.0798

Square

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



29.0910, 17.7597, 37.0167



22.2634, 17.7597, 2.4561



8.6772, 17.7597, 8.4333



12.4430, 17.7597, 64.9158

Rectangle

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



29.0910, 17.7597, 37.0167



29.3089, 17.7597, 8.9787



8.6772, 17.7597, 8.4333



8.5806, 17.7597, 35.6034

Sweetspot

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



29.0916, 17.7605, 37.0170



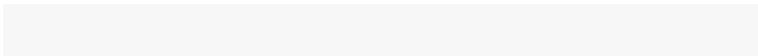
70.2086, 64.0071, 84.7078



15.7088, 10.6239, 47.1222



14.7709, 13.1318, 17.9474



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.0916, 17.7605, 37.0170



48.9565, 26.7208, 61.5378



25.1226, 16.1729, 16.1166



9.3068, 9.1331, 10.9628



17.4140, 8.5394, 20.5988



0.6328, 0.3086, 0.8259

Inverse Universe

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



29.0916, 17.7605, 37.0170



48.9565, 26.7208, 61.5378



25.5649, 38.3021, 34.7041



9.3068, 9.1331, 10.9628



17.4140, 8.5394, 20.5988



0.6328, 0.3086, 0.8259

Previews

White Background



This preview shows how the XYZ color 29.0910, 17.7597, 37.0167 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 29.0910, 17.7597, 37.0167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

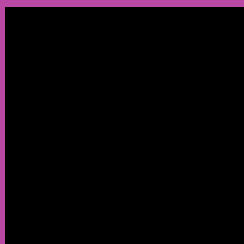
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0910, 17.7597, 37.0167

Background



This preview shows how black text looks on a background with the XYZ color 29.0910, 17.7597, 37.0167.



This preview shows how white text looks on a background with the XYZ color 29.0910, 17.7597,

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

29.0910, 17.7597, 37.0167

Protanopia

19.9192, 18.1788, 56.4918

Deuteranopia

18.3946, 18.0509, 34.4130



Tritanopia

24.2589, 17.8102, 13.4684

Trichromacy



Original Color

29.0910, 17.7597, 37.0167



Protanomaly

21.0278, 16.5815, 48.5466



Deuteranomaly

20.8940, 16.8033, 35.3998



Tritanomaly

25.6776, 17.5449, 20.1223

Monochromacy



Original Color

29.0910, 17.7597, 37.0167



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.1121, 16.7794, 24.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0910, 17.7597, 37.0167 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(185, 73, 164)` looks like.

```
.text, #text, p{  
    color:rgb(185, 73, 164)  
}
```

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(185, 73, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 73, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.0910, 17.7597, 37.0167 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(185, 73, 164) }
```


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

```
.border{ border-color:rgb(185, 73, 164) }
```

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

Here you see how a box with a 4 pixel rgb(185, 73, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 73, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 73, 164);  
box-shadow:4px 4px 4px 4px rgb(185, 73,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0910, 17.7597, 37.0167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 73, 164) }
```

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

```
.background{ background-color: rgb(185, 73,  
164) }
```

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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