

Converting Colors

XYZ(29.3601, 17.5941, 37.2276)

Have a look what the booklet for
XYZ(29.3601, 17.5941, 37.2276)
contains.

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Color

**XYZ(29.4752, 17.6617,
37.4528)**

Conversions

Conversions Part 1

Format	Color
Hex	BB46A5
RGB	187, 70, 165
RGB Percent	73%, 27%, 65%
CMY	0.2667, 0.7255, 0.3529
CMYK	0.00, 0.63, 0.12, 0.27
HSL	311°, 46%, 50%
HSV	311°, 63%, 73%
XYZ	29.4752, 17.6617, 37.4528
YIQ	115.8130, 39.2370, 54.3490

Conversions

Conversions Part 2

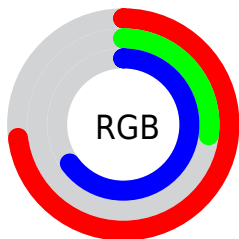
Format	Color
R_{YB}	187, 70, 165
Decimal	12273317
CIE _{Lab}	49.08, 57.90, -27.92
CIE _{LCh}	49, 64.284, 334.258
Yxy	17.6617, 0.3484, 0.2088
Android (android.graphics.Color)	4290463397 (0xFFBB46A5)
YUV	115.8130, 24.2492, 62.4310
Hunter-Lab	42.0258, 51.6474, -23.4203

Details

The XYZ color **29.4752, 17.6617, 37.4528** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.2287, 37.6161, 16.2157**, and the grayscale version is **16.4638, 17.3212, 18.8628**.

A 20% lighter version of the original color is **58.2579, 39.4274, 72.2499**, and **12.3407, 6.0175, 16.1339** is the 20% darker color. If you saturate the color by 10%, you get **28.1667, 15.5497, 35.4592**, and if you desaturate by 10%, it is **31.1578, 20.5072, 39.6148**.

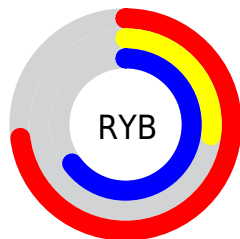
Distribution



Red (73%)

Green (27%)

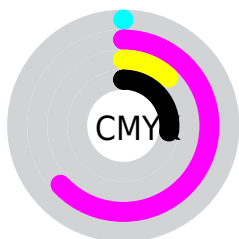
Blue (65%)



Red (73%)

Yellow (27%)

Blue (65%)

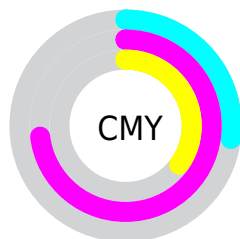


Cyan (0%)

Magenta (63%)

Yellow (12%)

Black (27%)



Cyan (27%)

Magenta (73%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4752, 17.6617, 37.4528 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, 17.6617, 37.4528 by changing the saturation by 10% instead.

■ 29.4752, 17.6617,
37.4528

■ 29.4752, 17.6617,
37.4528

291.4044,
238.9572, 350.4943

■ 19.5867, 10.7074,
25.2597

■ 58.2236, 39.4600,
72.4627

■ 12.2015, 5.8704,
16.0499

■ 77.8142, 55.0728,
96.1167

■ 6.9542, 2.7665,
9.4047

■ 101.3695, 74.3405,
124.4280

■ 3.4796, 1.0111,
4.9057

■ 129.2549, 97.6476,
157.8153

■ 1.4121, 0.0000,
2.1343

■ 161.8357,
125.3784, 196.6970

■ 0.2649, 0.0000,
0.6361

199.4774,

■ 0.0000, 0.0000,

157.9174, 241.4917

0.0000

242.5451,
195.6489, 292.6180

■ 29.4752, 17.6617,
37.4528

■ 29.4752, 17.6617,
37.4528

■ 28.1667, 15.5497,
35.4592

■ 31.1578, 20.5072,
39.6148

■ 27.1954, 14.0983,
33.6209

■ 33.2434, 24.1449,
41.9548

■ 26.5199, 13.2246,
31.9240

■ 35.7601, 28.6305,
44.4826

■ 26.1478, 12.8265,
30.7330

■ 38.7329, 34.0138,
47.2068

■ 42.1848, 40.3409,
50.1356

■ 46.1374, 47.6547,
53.2763

■ 50.6108, 55.9954,
56.6360

■ 55.6241, 65.4010,
60.2214

■ 61.1954, 75.9077,
64.0388

Harmonies

Analogous

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



24.1572, 17.6617, 61.5227



29.4752, 17.6617, 37.4528



31.1256, 17.6617, 16.8795

Triad

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



29.4752, 17.6617, 37.4528



15.9446, 17.6617, 1.5152



8.9412, 17.6617, 44.4802

Complementary

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



29.4752, 17.6617, 37.4528



22.2287, 37.6161, 16.2157

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.



7.7081, 17.6617, 21.7904



29.4752, 17.6617, 37.4528



11.0926, 17.6617, 2.8068

Square

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



29.4752, 17.6617, 37.4528



22.3145, 17.6617, 2.1800



8.3899, 17.6617, 8.1515



12.2570, 17.6617, 67.0060

Rectangle

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



29.4752, 17.6617, 37.4528



29.6594, 17.6617, 8.5971



8.3899, 17.6617, 8.1515



8.3106, 17.6617, 36.2560

Sweetspot

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



29.4758, 17.6625, 37.4531



71.2871, 64.4191, 86.2139



15.5196, 10.2162, 48.1681



15.3247, 13.5033, 18.6610



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, 17.6625, 37.4531



49.7449, 26.7707, 62.2744



25.3409, 16.0086, 15.6792



9.8509, 9.6647, 11.6040



18.0409, 8.8475, 21.3068



0.7269, 0.3547, 0.9411

Inverse Universe

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



29.4758, 17.6625, 37.4531



49.7449, 26.7707, 62.2744



25.7979, 39.0438, 35.0106



9.8509, 9.6647, 11.6040



18.0409, 8.8475, 21.3068



0.7269, 0.3547, 0.9411

Previews

White Background



This preview shows how the XYZ color 29.4752, 17.6617, 37.4528 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, 17.6617, 37.4528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

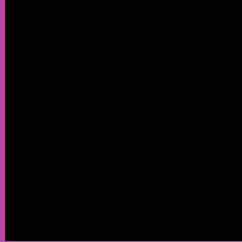
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4752, 17.6617, 37.4528

Background



This preview shows how black text looks on a background with the XYZ color 29.4752, 17.6617, 37.4528.



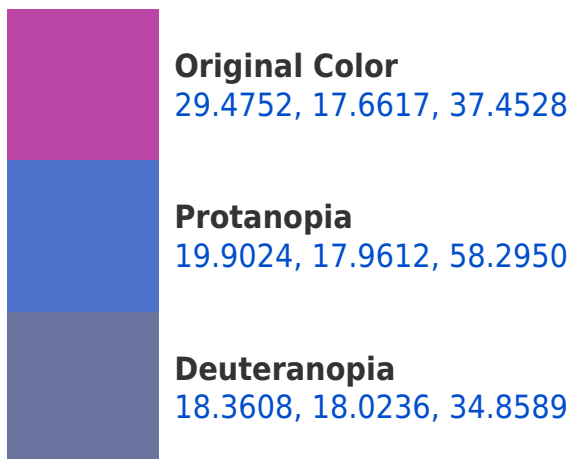
This preview shows how white text looks on a background with the XYZ color 29.4752, 17.6617,

37.4528.

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

24.4603, 17.6743, 12.9487

Trichromacy



Original Color

29.4752, 17.6617, 37.4528



Protanomaly

21.0242, 16.2610, 50.1747



Deuteranomaly

20.8865, 16.6478, 35.8307



Tritanomaly

25.9359, 17.4579, 19.7720

Monochromacy



Original Color

29.4752, 17.6617, 37.4528



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.9202, 16.3957, 24.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4752, 17.6617, 37.4528 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, 70, 165)` looks like.

```
.text, #text, p{  
    color:rgb(187, 70, 165)  
}
```

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, 70, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 70, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.4752, 17.6617, 37.4528 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, 70, 165) }
```


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

```
.border{ border-color:rgb(187, 70, 165) }
```

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

Here you see how a box with a 4 pixel rgb(187, 70, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 70, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 70, 165);  
box-shadow:4px 4px 4px 4px rgb(187, 70,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4752, 17.6617, 37.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 70, 165) }
```

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

```
.background{ background-color: rgb(187, 70,  
165) }
```

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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