

Converting Colors

XYZ(29.0882, 17.4877, 46.4432)

Have a look what the booklet for
XYZ(29.0882, 17.4877, 46.4432)
contains.

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Color

**XYZ(28.9961, 17.4007,
46.6302)**

Conversions

Conversions Part 1

Format	Color
Hex	B148B7
RGB	177, 72, 183
RGB Percent	69%, 28%, 72%
CMY	0.3059, 0.7176, 0.2824
CMYK	0.03, 0.61, 0.00, 0.28
HSL	297°, 44%, 50%
HSV	297°, 61%, 72%
XYZ	28.9961, 17.4007, 46.6302
YIQ	116.0490, 26.9490, 56.7810

Conversions

Conversions Part 2

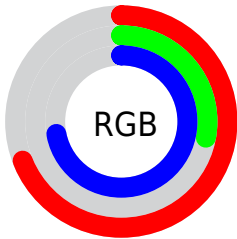
Format	Color
R_{YB}	177, 72, 183
Decimal	11618487
CIE _{Lab}	48.76, 57.45, -39.10
CIE _{LCh}	49, 69.491, 325.764
Yxy	17.4007, 0.3117, 0.1870
Android (android.graphics.Color)	4289808567 (0xFFB148B7)
YUV	116.0490, 33.0068, 53.4540
Hunter-Lab	41.7141, 51.0781, -37.0775

Details

The XYZ color **28.9961, 17.4007, 46.6302** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.2456, 35.9550, 11.9518**, and the grayscale version is **16.5124, 17.3723, 18.9185**.

A 20% lighter version of the original color is **57.4303, 39.0729, 86.1763**, and **11.8802, 5.7151, 21.2458** is the 20% darker color. If you saturate the color by 10%, you get **27.7601, 15.2614, 46.2827**, and if you desaturate by 10%, it is **30.5871, 20.2465, 47.0959**.

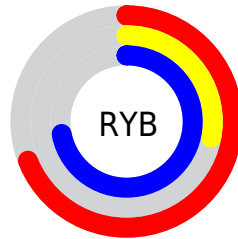
Distribution



Red (69%)

Green (28%)

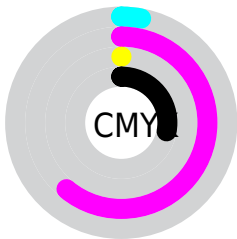
Blue (72%)



Red (69%)

Yellow (28%)

Blue (72%)

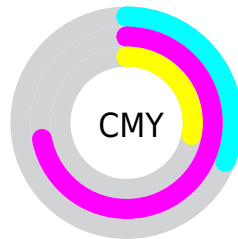


Cyan (3%)

Magenta (61%)

Yellow (0%)

Black (28%)



Cyan (31%)

Magenta (72%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9961, 17.4007, 46.6302 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 28.9961, 17.4007, 46.6302 by changing the saturation by 10% instead.

■ 28.9961, 17.4007,
46.6302

■ 28.9961, 17.4007,
46.6302

289.1911,
237.4710, 389.6874

■ 19.2221, 10.5206,
32.3912

■ 57.4685, 39.0134,
86.5056

■ 11.9359, 5.7455,
21.3932

■ 76.8976, 54.5149,
112.9790

■ 6.7719, 2.6909,
13.2177

■ 100.2759, 73.6589,
144.3676

■ 3.3649, 0.9726,
7.4461

■ 127.9686, 96.8298,
181.0899

■ 1.3495, 0.0000,
3.6600

■ 160.3411,
124.4121, 223.5645

■ 0.2198, 0.0000,
1.4407

197.7588,

■ 0.0000, 0.0000,

156.7901, 272.2099

0.1732

240.5870,
194.3483, 327.4447

■ 0.0000, 0.0000,
0.0000

■ 28.9961, 17.4007,
46.6302

■ 28.9961, 17.4007,
46.6302

■ 27.7601, 15.2614,
46.2827

■ 30.5871, 20.2465,
47.0959

■ 26.8448, 13.7616,
46.0414

■ 32.5595, 23.8532,
47.6881

■ 26.2126, 12.8257,
45.8941

■ 34.9394, 28.2725,
48.4157

■ 25.8052, 12.3157,
45.8171

■ 37.7501, 33.5509,
49.2864

■ 41.0131, 39.7314,
50.3073

■ 44.7484, 46.8542,
51.4853

■ 48.9750, 54.9570,
52.8265

■ 53.7106, 64.0754,
54.3370

■ 58.9722, 74.2433,
56.0223

Harmonies

Analogous

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



22.5095, 17.4007, 71.9968



28.9961, 17.4007, 46.6302



32.1680, 17.4007, 21.6815

Triad

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



28.9961, 17.4007, 46.6302



17.4681, 17.4007, 1.0342



7.7225, 17.4007, 38.8567

Complementary

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



28.9961, 17.4007, 46.6302



21.2456, 35.9550, 11.9518

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.



7.0259, 17.4007, 16.4516



28.9961, 17.4007, 46.6302



11.7300, 17.4007, 1.6085

Square

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



28.9961, 17.4007, 46.6302



24.5067, 17.4007, 2.1679



8.2848, 17.4007, 5.1997



10.5175, 17.4007, 65.8191

Rectangle

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



28.9961, 17.4007, 46.6302



31.5014, 17.4007, 10.8695



8.2848, 17.4007, 5.1997



7.2722, 17.4007, 30.2730

Sweetspot

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



28.9967, 17.4015, 46.6306



68.9121, 62.5486, 88.6767



14.0453, 10.4472, 46.0763



14.8670, 13.1476, 19.4758



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.



28.9967, 17.4015, 46.6306



49.0725, 26.2537, 82.7168



26.2125, 16.4491, 24.6790



9.3317, 9.1374, 11.3513



18.0210, 8.6014, 31.9635



0.6500, 0.3108, 1.1275

Inverse Universe

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



23.2215, 15.2527, 8.9285



38.0257, 22.1868, 8.6491



23.0028, 36.6036, 23.6548



9.0238, 9.0199, 9.4726



13.6694, 7.0415, 0.8801



0.4886, 0.2509, 0.0662

Previews

White Background



This preview shows how the XYZ color 28.9961, 17.4007, 46.6302 looks on a white background.

Color Contrast Check

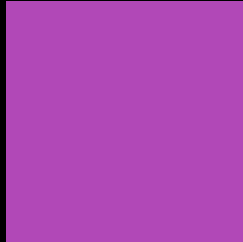
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9961, 17.4007, 46.6302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

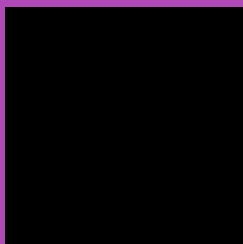
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.9961, 17.4007, 46.6302

Background



This preview shows how black text looks on a background with the XYZ color 28.9961, 17.4007, 46.6302.



This preview shows how white text looks on a background with the XYZ color 28.9961, 17.4007,

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

28.9961, 17.4007, 46.6302

Protanopia

20.6436, 17.9006, 70.7737

Deuteranopia

18.1031, 17.7098, 43.0216



Tritanopia

22.4268, 17.3592, 14.7390

Trichromacy



Original Color

28.9961, 17.4007, 46.6302

Protanomaly

20.9970, 16.0071, 61.0145

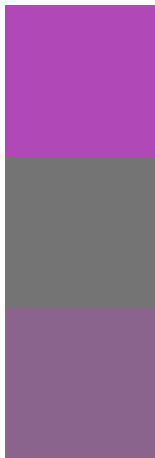
Deuteranomaly

20.4782, 16.3936, 44.2044

Tritanomaly

24.2995, 17.1130, 23.4951

Monochromacy



Original Color

28.9961, 17.4007, 46.6302

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.7720, 16.4111, 26.9365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9961, 17.4007, 46.6302 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(177, 72, 183)` looks like.

```
.text, #text, p{  
    color:rgb(177, 72, 183)  
}
```

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(177, 72, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 72, 183) }
```

Border

The CSS property to change the border of an element to XYZ 28.9961, 17.4007, 46.6302 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(177, 72, 183) }
```


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

```
.border{ border-color:rgb(177, 72, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 72, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 72, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 72, 183);  
box-shadow:4px 4px 4px 4px rgb(177, 72,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9961, 17.4007, 46.6302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 72, 183) }
```

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

```
.background{ background-color: rgb(177, 72,  
183) }
```

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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