

Converting Colors

XYZ(28.9157, 17.3950, 45.0136)

Have a look what the booklet for
XYZ(28.9157, 17.3950, 45.0136)
contains.

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Color

**XYZ(28.9157, 17.3950,
45.0136)**

Conversions

Conversions Part 1

Format	Color
Hex	B248B4
RGB	178, 72, 180
RGB Percent	70%, 28%, 71%
CMY	0.3020, 0.7176, 0.2941
CMYK	0.01, 0.60, 0.00, 0.29
HSL	299°, 43%, 49%
HSV	299°, 60%, 71%
XYZ	28.9157, 17.3950, 45.0136
YIQ	116.0060, 28.5080, 56.0600

Conversions

Conversions Part 2

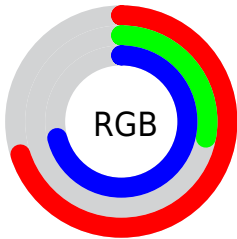
Format	Color
R_{YB}	178, 72, 180
Decimal	11684020
CIE _{Lab}	48.75, 57.17, -37.35
CIE _{LCh}	49, 68.286, 326.845
Yxy	17.3950, 0.3166, 0.1905
Android (android.graphics.Color)	4289874100 (0xFFB248B4)
YUV	116.0060, 31.5490, 54.3687
Hunter-Lab	41.7073, 50.7663, -34.7950

Details

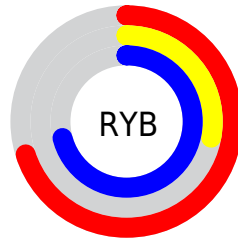
The XYZ color **28.9157, 17.3950, 45.0136** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.3156, 34.5667, 11.7330**, and the grayscale version is **16.5033, 17.3628, 18.9081**.

A 20% lighter version of the original color is **57.3218, 39.0677, 83.8765**, and **11.8894, 5.7350, 20.5590** is the 20% darker color. If you saturate the color by 10%, you get **27.8417, 15.3598, 44.6776**, and if you desaturate by 10%, it is **30.3318, 20.1130, 45.4638**.

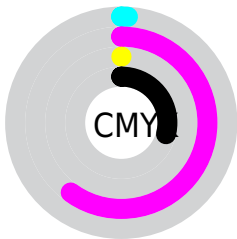
Distribution



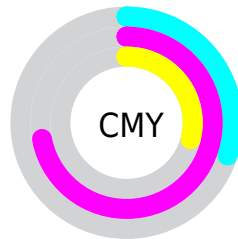
- Red (70%)
- Green (28%)
- Blue (71%)



- Red (70%)
- Yellow (28%)
- Blue (71%)



- Cyan (1%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)





- Cyan (30%)
- Magenta (72%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9157, 17.3950, 45.0136 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 28.9157, 17.3950, 45.0136 by changing the saturation by 10% instead.

 28.9157, 17.3950,
45.0136


 28.9157, 17.3950,
45.0136


288.8184,
237.4385, 382.9904


 19.1610, 10.5165,
31.1251


 57.3416, 39.0037,
84.0595

 11.8914, 5.7427,
20.4349


 76.7435, 54.5027,
110.0540


 6.7414, 2.6893,
12.5243


 100.0920, 73.6439,
140.9209

 3.3458, 0.9718,
6.9750

 127.7522, 96.8119,
177.0787

 1.3392, 0.0000,
3.3682

 160.0896,
124.3909, 218.9460

 0.2122, 0.0000,
1.2856

197.4695,

 0.0000, 0.0000,

156.7655, 266.9414

0.0499

240.2573,
194.3198, 321.4833

■ 0.0000, 0.0000,
0.0000

■ 28.9157, 17.3950,
45.0136

■ 28.9157, 17.3950,
45.0136

■ 27.8417, 15.3598,
44.6776

■ 30.3318, 20.1130,
45.4638

■ 27.0771, 13.9438,
44.4446

■ 32.1150, 23.5656,
46.0363

■ 26.5865, 13.0754,
44.3028

■ 34.2904, 27.8021,
46.7393

■ 26.2943, 12.6036,
44.2272

■ 36.8800, 32.8669,
47.5805

■ 26.2943, 12.6035,
44.2272

■ 39.9045, 38.8012,
48.5665

■ 43.3831, 45.6432,
49.7038

■ 47.3337, 53.4292,
50.9984

■ 51.7735, 62.1932,
52.4560

■ 56.7187, 71.9677,
54.0821

Harmonies

Analogous

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



22.6411, 17.3950, 69.9481



28.9157, 17.3950, 45.0136



31.8508, 17.3950, 20.9178

Triad

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



28.9157, 17.3950, 45.0136



17.2102, 17.3950, 1.1174



7.8978, 17.3950, 39.3682

Complementary

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



28.9157, 17.3950, 45.0136



20.3156, 34.5667, 11.7330

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.



7.1357, 17.3950, 17.0913



28.9157, 17.3950, 45.0136



11.6366, 17.3950, 1.7757

Square

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



28.9157, 17.3950, 45.0136



24.0976, 17.3950, 2.2003



8.3129, 17.3950, 5.5824



10.7452, 17.3950, 65.4774

Rectangle

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



28.9157, 17.3950, 45.0136



31.0794, 17.3950, 10.5486



8.3129, 17.3950, 5.5824



7.4265, 17.3950, 30.9020

Sweetspot

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



28.9163, 17.3958, 45.0140



67.7411, 61.2996, 86.5563



13.4684, 9.7878, 44.3597



14.3243, 12.6279, 18.6047



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.9163, 17.3958, 45.0140



49.9756, 26.9029, 80.8534



25.1428, 15.9398, 22.7310



8.8342, 8.6386, 10.7081



18.3583, 8.7999, 30.8679



0.5825, 0.2794, 0.9715

Inverse Universe

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



22.3763, 14.8332, 8.1630



37.1275, 21.8816, 7.8669



22.5321, 35.4358, 24.1957



8.5025, 8.5077, 8.8788



13.1524, 6.7785, 0.6965



0.4159, 0.2141, 0.0330

Previews

White Background



This preview shows how the XYZ color 28.9157, 17.3950, 45.0136 looks on a white background.

Color Contrast Check

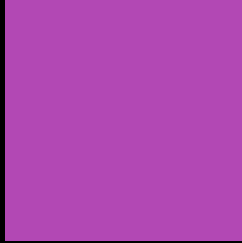
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9157, 17.3950, 45.0136 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 28.9157, 17.3950, 45.0136

Background



This preview shows how black text looks on a background with the XYZ color 28.9157, 17.3950, 45.0136.



This preview shows how white text looks on a background with the XYZ color 28.9157, 17.3950,

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

28.9157, 17.3950, 45.0136

Protanopia

20.3540, 17.8121, 68.0110

Deuteranopia

18.1026, 17.7321, 42.0037



Tritanopia

22.7139, 17.3800, 14.4694

Trichromacy



Original Color

28.9157, 17.3950, 45.0136



Protanomaly

20.9757, 16.0381, 59.1169



Deuteranomaly

20.5620, 16.4599, 43.1676



Tritanomaly

24.3703, 17.0379, 23.1233

Monochromacy



Original Color

28.9157, 17.3950, 45.0136



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.8648, 16.4674, 26.5576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9157, 17.3950, 45.0136 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(178, 72, 180)` looks like.

```
.text, #text, p{  
    color:rgb(178, 72, 180)  
}
```

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(178, 72, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 72, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.9157, 17.3950, 45.0136 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(178, 72, 180) }
```


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

```
.border{ border-color:rgb(178, 72, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 72, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 72, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 72, 180);  
box-shadow:4px 4px 4px 4px rgb(178, 72,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9157, 17.3950, 45.0136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 72, 180) }
```

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

```
.background{ background-color: rgb(178, 72,  
180) }
```

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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