

Converting Colors

XYZ(26.7957, 16.8387, 36.7712)

Have a look what the booklet for
XYZ(26.7957, 16.8387, 36.7712)
contains.

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Color

**XYZ(26.9645, 16.9632,
36.9750)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4CA4
RGB	175, 76, 164
RGB Percent	69%, 30%, 64%
CMY	0.3137, 0.7019, 0.3569
CMYK	0.00, 0.57, 0.06, 0.31
HSL	307°, 39%, 49%
HSV	307°, 57%, 69%
XYZ	26.9645, 16.9632, 36.9750
YIQ	115.6330, 30.7560, 48.3560

Conversions

Conversions Part 2

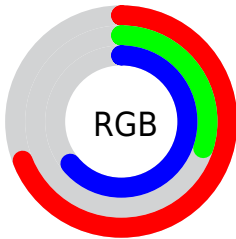
Format	Color
R_{YB}	175, 76, 164
Decimal	11488420
CIE _{Lab}	48.21, 51.76, -28.82
CIE _{LCh}	48, 59.240, 330.889
Yxy	16.9632, 0.3333, 0.2097
Android (android.graphics.Color)	4289678500 (0xFFAF4CA4)
YUV	115.6330, 23.8449, 52.0649
Hunter-Lab	41.1864, 44.7867, -24.3970

Details

The XYZ color **26.9645, 16.9632, 36.9750** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.0316, 32.8852, 14.3097**, and the grayscale version is **16.4119, 17.2666, 18.8033**.

A 20% lighter version of the original color is **54.3731, 38.4034, 71.5646**, and **10.8708, 5.5638, 15.8302** is the 20% darker color. If you saturate the color by 10%, you get **25.7446, 14.8020, 35.7086**, and if you desaturate by 10%, it is **28.5161, 19.7829, 38.3655**.

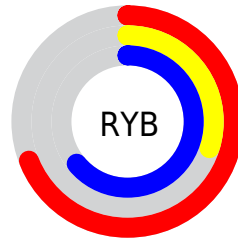
Distribution



Red (69%)

Green (30%)

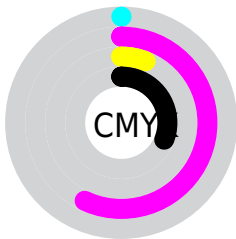
Blue (64%)



Red (69%)

Yellow (30%)

Blue (64%)

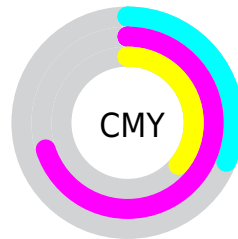


Cyan (0%)

Magenta (57%)

Yellow (6%)

Black (31%)



Cyan (31%)


Magenta (70%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9645, 16.9632, 36.9750 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 26.9645, 16.9632, 36.9750 by changing the saturation by 10% instead.

 26.9645, 16.9632,
36.9750


 26.9645, 16.9632,
36.9750


279.6559,
234.9602, 348.3677


 17.6830, 10.2083,
24.8925


 54.2472, 38.2625,
71.7202


 10.8210, 5.5373,
15.7787


 72.9791, 53.5756,
95.2200


 6.0130, 2.5658,
9.2150


 95.5919, 72.5103,
123.3627

 2.8937, 0.9095,
4.7830

 122.4508, 95.4509,
156.5668

 1.0978, 0.0000,
2.0640

 153.9214,
122.7818, 195.2507

 0.0233, 0.0000,
0.5942

190.3688,

 0.0000, 0.0000,

154.8873, 239.8332

0.0000

232.1585,
192.1520, 290.7327

■ 26.9645, 16.9632,
36.9750

■ 26.9645, 16.9632,
36.9750

■ 25.7446, 14.8020,
35.7086

■ 28.5161, 19.7829,
38.3655

■ 24.8274, 13.2422,
34.5562

■ 30.4220, 23.3071,
39.8873

■ 24.1818, 12.2215,
33.5074

■ 32.7047, 27.5806,
41.5480

■ 23.7642, 11.6523,
32.5477

■ 35.3843, 32.6435,
43.3544

■ 23.6425, 11.4993,
32.2287

■ 38.4796, 38.5335,
45.3129

■ 42.0081, 45.2855,
47.4293

■ 45.9863, 52.9326,
49.7092

■ 50.4299, 61.5060,
52.1579

■ 55.3538, 71.0355,
54.7804

Harmonies

Analogous

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



22.0431, 16.9632, 57.3851



26.9645, 16.9632, 36.9750



28.8475, 16.9632, 18.0139

Triad

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



26.9645, 16.9632, 36.9750



15.9629, 16.9632, 1.8569



8.7708, 16.9632, 38.2550

Complementary

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



26.9645, 16.9632, 36.9750



20.0316, 32.8852, 14.3097

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.



7.8290, 16.9632, 18.9338



26.9645, 16.9632, 36.9750



11.3709, 16.9632, 2.9216

Square

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



26.9645, 16.9632, 36.9750



21.7022, 16.9632, 2.7891



8.6642, 16.9632, 7.4749



11.5927, 16.9632, 58.3701

Rectangle

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



26.9645, 16.9632, 36.9750



27.8580, 16.9632, 9.7872



8.6642, 16.9632, 7.4749



8.2561, 16.9632, 31.1867

Sweetspot

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



26.9651, 16.9640, 36.9753



62.9987, 57.7564, 77.4016



14.1517, 10.2386, 41.7883



13.7830, 12.4219, 17.0588



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



26.9651, 16.9640, 36.9753



45.6288, 25.6818, 63.3952



23.3936, 15.5354, 18.1679



8.2982, 8.1325, 9.8809



16.9450, 8.2406, 23.1538



0.4821, 0.2335, 0.7003

Inverse Universe

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



26.9651, 16.9640, 36.9753



45.6288, 25.6818, 63.3952



22.7126, 33.9577, 28.4280



8.2982, 8.1325, 9.8809



16.9450, 8.2406, 23.1538



0.4821, 0.2335, 0.7003

Previews

White Background



This preview shows how the XYZ color 26.9645, 16.9632, 36.9750 looks on a white background.

Color Contrast Check

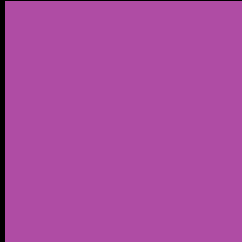
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9645, 16.9632, 36.9750 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 26.9645, 16.9632, 36.9750

Background



This preview shows how black text looks on a background with the XYZ color 26.9645, 16.9632, 36.9750.



This preview shows how white text looks on a background with the XYZ color 26.9645, 16.9632,

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

26.9645, 16.9632, 36.9750

Protanopia

18.9528, 17.2339, 53.9573

Deuteranopia

17.6684, 17.3280, 34.7612



Tritanopia

22.3149, 17.0544, 13.9201

Trichromacy



Original Color

26.9645, 16.9632, 36.9750



Protanomaly

20.1838, 16.0292, 47.3775



Deuteranomaly

19.9556, 16.3195, 35.3559



Tritanomaly

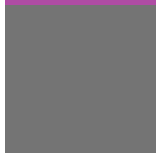
23.7779, 16.9044, 20.7485

Monochromacy



Original Color

26.9645, 16.9632, 36.9750



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.2038, 16.3192, 24.3281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9645, 16.9632, 36.9750 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(175, 76, 164)` looks like.

```
.text, #text, p{  
    color:rgb(175, 76, 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(175, 76, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 76, 164) }
```

Border

The CSS property to change the border of an element to XYZ 26.9645, 16.9632, 36.9750 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(175, 76, 164) }
```


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

```
.border{ border-color:rgb(175, 76, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 76, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 76, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 76, 164);  
box-shadow:4px 4px 4px 4px rgb(175, 76,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9645, 16.9632, 36.9750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 76, 164) }
```

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

```
.background{ background-color: rgb(175, 76,  
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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