

Converting Colors

XYZ(27.8288, 16.5161, 36.6962)

Have a look what the booklet for
XYZ(27.8288, 16.5161, 36.6962)
contains.

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Color

**XYZ(27.9994, 16.6397,
36.8580)**

Conversions

Conversions Part 1

Format	Color
Hex	B643A4
RGB	182, 67, 164
RGB Percent	71%, 26%, 64%
CMY	0.2863, 0.7372, 0.3569
CMYK	0.00, 0.63, 0.10, 0.29
HSL	309°, 46%, 49%
HSV	309°, 63%, 71%
XYZ	27.9994, 16.6397, 36.8580
YIQ	112.4430, 37.4030, 54.5470

Conversions

Conversions Part 2

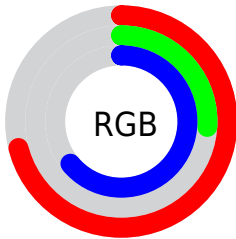
Format	Color
RYB	182, 67, 164
Decimal	11944868
CIELab	47.80, 57.68, -29.38
CIElCh	48, 64.731, 333.005
Yxy	16.6397, 0.3436, 0.2042
Android (android.graphics.Color)	4290134948 (0xFFB643A4)
YUV	112.4430, 25.4176, 61.0015
Hunter-Lab	40.7918, 51.1364, -25.0181

Details

The XYZ color **27.9994, 16.6397, 36.8580** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.6832, 35.3057, 14.3201**, and the grayscale version is **15.4518, 16.2565, 17.7033**.

A 20% lighter version of the original color is **55.6809, 37.5588, 71.3327**, and **11.5288, 5.6055, 15.8036** is the 20% darker color. If you saturate the color by 10%, you get **26.8282, 14.7041, 35.2125**, and if you desaturate by 10%, it is **29.5174, 19.2590, 38.6478**.

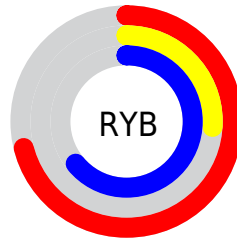
Distribution



Red (71%)

Green (26%)

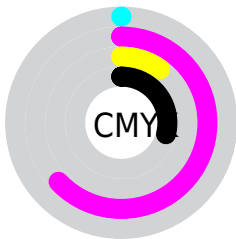
Blue (64%)



Red (71%)

Yellow (26%)

Blue (64%)

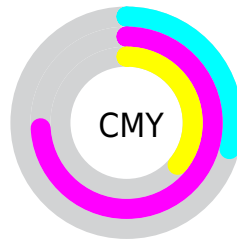


Cyan (0%)

Magenta (63%)

Yellow (10%)

Black (29%)



Cyan (29%)


Magenta (74%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9994, 16.6397, 36.8580 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 27.9994, 16.6397, 36.8580 by changing the saturation by 10% instead.

 27.9994, 16.6397,
36.8580


 27.9994, 16.6397,
36.8580


284.5442,
233.0874, 347.8455


 18.4657, 9.9779,
24.8026


 55.8921, 37.7052,
71.5382

 11.3865, 5.3843,
15.7124


 74.9818, 52.8778,
95.0002


 6.3967, 2.4745,
9.1687


 97.9876, 71.6561,
123.1014

 3.1307, 0.8638,
4.7531

 125.2747, 94.4246,
156.2604

 1.2232, 0.0000,
2.0469

 157.2086,
121.5675, 194.8958

 0.1246, 0.0000,
0.5839

194.1545,

 0.0000, 0.0000,

153.4694, 239.4261

0.0000

236.4779,
190.5146, 290.2698

■ 27.9994, 16.6397,
36.8580

■ 27.9994, 16.6397,
36.8580

■ 26.8282, 14.7041,
35.2125

■ 29.5174, 19.2590,
38.6478

■ 25.9690, 13.3837,
33.6991

■ 31.4095, 22.6174,
40.5908

■ 25.3826, 12.5999,
32.3047

■ 33.7019, 26.7672,
42.6961

■ 25.0838, 12.2621,
31.4039

■ 36.4182, 31.7554,
44.9716

■ 39.5800, 37.6251,
47.4248

■ 43.2075, 44.4167,
50.0626

■ 47.3196, 52.1680,
52.8914

■ 51.9342, 60.9147,
55.9173

■ 57.0683, 70.6906,
59.1463

Harmonies

Analogous

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



22.7121, 16.6397, 60.3527



27.9994, 16.6397, 36.8580



29.7946, 16.6397, 16.4921

Triad

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



27.9994, 16.6397, 36.8580



15.2372, 16.6397, 1.2705



8.1771, 16.6397, 41.7207

Complementary

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



27.9994, 16.6397, 36.8580



20.6832, 35.3057, 14.3201

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.



7.0792, 16.6397, 19.8470



27.9994, 16.6397, 36.8580



10.4789, 16.6397, 2.3546

Square

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



27.9994, 16.6397, 36.8580



21.4455, 16.6397, 1.9500



7.8057, 16.6397, 7.1327



11.2687, 16.6397, 64.1708

Rectangle

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



27.9994, 16.6397, 36.8580



28.4829, 16.6397, 8.2723



7.8057, 16.6397, 7.1327



7.6023, 16.6397, 33.7124

Sweetspot

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



28.0000, 16.6405, 36.8583



68.1414, 61.4884, 83.2113



14.1301, 9.2890, 45.3047



14.7022, 12.9362, 18.1036



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.



28.0000, 16.6405, 36.8583



47.9350, 25.5487, 62.6860



23.9663, 15.0270, 15.6174



9.3189, 9.1379, 11.0267



17.7338, 8.6673, 22.2826



0.6416, 0.3121, 0.8721

Inverse Universe

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



28.0000, 16.6405, 36.8583



47.9350, 25.5487, 62.6860



23.9072, 36.5953, 31.2974



9.3189, 9.1379, 11.0267



17.7338, 8.6673, 22.2826



0.6416, 0.3121, 0.8721

Previews

White Background



This preview shows how the XYZ color 27.9994, 16.6397, 36.8580 looks on a white background.

Color Contrast Check

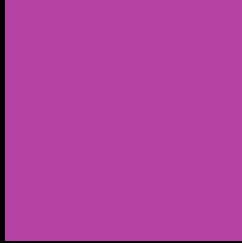
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9994, 16.6397, 36.8580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

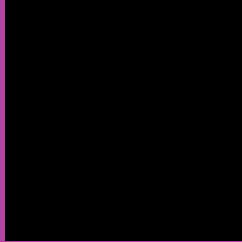
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9994, 16.6397, 36.8580

Background



This preview shows how black text looks on a background with the XYZ color 27.9994, 16.6397, 36.8580.



This preview shows how white text looks on a background with the XYZ color 27.9994, 16.6397,

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

27.9994, 16.6397, 36.8580

Protanopia

19.0176, 17.0109, 58.1582

Deuteranopia

17.3578, 17.0113, 34.2669



Tritanopia

23.0632, 16.7207, 12.3678

Trichromacy



Original Color

27.9994, 16.6397, 36.8580

Protanomaly

19.8514, 15.2600, 49.4761

Deuteranomaly

19.7340, 15.6496, 35.2383

Tritanomaly

24.5585, 16.5342, 19.3498

Monochromacy



Original Color

27.9994, 16.6397, 36.8580

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.5961, 15.3228, 23.4502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9994, 16.6397, 36.8580 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(182, 67, 164)` looks like.

```
.text, #text, p{  
  color:rgb(182, 67, 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(182, 67, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 67, 164) }
```

Border

The CSS property to change the border of an element to XYZ 27.9994, 16.6397, 36.8580 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(182, 67, 164) }
```


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

```
.border{ border-color:rgb(182, 67, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 67, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 67, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 67, 164);  
box-shadow:4px 4px 4px 4px rgb(182, 67,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9994, 16.6397, 36.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 67, 164) }
```

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

```
.background{ background-color: rgb(182, 67,  
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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