

Converting Colors

XYZ(27.7431, 16.9228, 32.2705)

Have a look what the booklet for
XYZ(27.7431, 16.9228, 32.2705)
contains.

XYZ(27.7901, 16.9038, 32.3699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.7901, 16.9038,
32.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	B8469A
RGB	184, 70, 154
RGB Percent	72%, 27%, 60%
CMY	0.2784, 0.7255, 0.3961
CMYK	0.00, 0.62, 0.16, 0.28
HSL	316°, 45%, 50%
HSV	316°, 62%, 72%
XYZ	27.7901, 16.9038, 32.3699
YIQ	113.6620, 40.9800, 50.2920

Conversions

Conversions Part 2

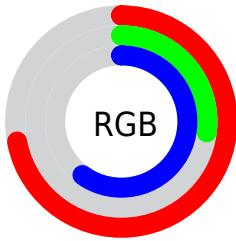
Format	Color
RYB	184, 70, 154
Decimal	12076698
CIELab	48.14, 55.40, -22.90
CIELCh	48, 59.946, 337.543
Yxy	16.9038, 0.3606, 0.2193
Android (android.graphics.Color)	4290266778 (0xFFB8469A)
YUV	113.6620, 19.8866, 61.6864
Hunter-Lab	41.1142, 48.7025, -17.9000

Details

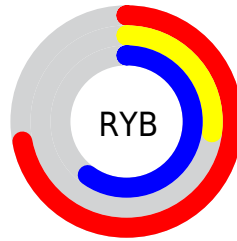
The XYZ color **27.7901, 16.9038, 32.3699** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.9674, 36.5038, 17.9464**, and the grayscale version is **15.8278, 16.6520, 18.1341**.

A 20% lighter version of the original color is **55.8044, 38.3254, 64.7779**, and **11.3503, 5.5685, 13.3086** is the 20% darker color. If you saturate the color by 10%, you get **26.4153, 14.7864, 29.9618**, and if you desaturate by 10%, it is **29.5349, 19.7345, 34.9819**.

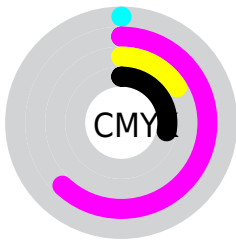
Distribution



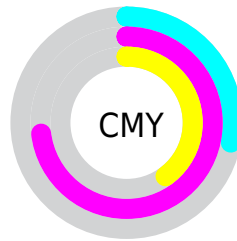
- Red (72%)
- Green (27%)
- Blue (60%)



- Red (72%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (62%)
- Yellow (16%)
- Black (28%)





- Cyan (28%)
- Magenta (73%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7901, 16.9038, 32.3699 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 27.7901, 16.9038, 32.3699 by changing the saturation by 10% instead.


 27.7901, 16.9038,
32.3699

 27.7901, 16.9038,
32.3699


283.5609,
234.6174, 327.3453


 18.3071, 10.1659,
21.3770


 55.5601, 38.1603,
64.4952

 11.2717, 5.5091,
13.2060


 74.5779, 53.4477,
86.4646


 6.3186, 2.5490,
7.4381


 97.5047, 72.3538,
112.9301

 3.0822, 0.9011,
3.6550

 124.7058, 95.2629,
144.3100

 1.1974, 0.0000,
1.4381

 156.5467,
122.5594, 181.0229

 0.1043, 0.0000,
0.1711

193.3925,

 0.0000, 0.0000,

154.6277, 223.4874

0.0000

235.6088,
191.8522, 272.1221

■ 27.7901, 16.9038,
32.3699

■ 27.7901, 16.9038,
32.3699

■ 26.4153, 14.7864,
29.9618

■ 29.5349, 19.7345,
34.9819

■ 25.3751, 13.3129,
27.7444

■ 31.6773, 23.3344,
37.8075

■ 24.6303, 12.4046,
25.7039

■ 34.2443, 27.7568,
40.8568

■ 24.1812, 11.9560,
24.1684

■ 37.2598, 33.0494,
44.1385

■ 40.7460, 39.2563,
47.6611

■ 44.7237, 46.4185,
51.4322

■ 49.2123, 54.5748,
55.4591

■ 54.2301, 63.7614,
59.7489

■ 59.7946, 74.0131,
64.3081

Harmonies

Analogous

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



23.3137, 16.9038, 53.8002



27.7901, 16.9038, 32.3699



28.8141, 16.9038, 14.7491

Triad

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



27.7901, 16.9038, 32.3699



14.7333, 16.9038, 1.8221



9.1228, 16.9038, 43.3327

Complementary

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



27.7901, 16.9038, 32.3699



21.9674, 36.5038, 17.9464

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.



7.7733, 16.9038, 22.6208



27.7901, 16.9038, 32.3699



10.5024, 16.9038, 3.4119

Square

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



27.7901, 16.9038, 32.3699



20.3986, 16.9038, 2.2872



8.2140, 16.9038, 9.1759



12.3958, 16.9038, 62.2394

Rectangle

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



27.7901, 16.9038, 32.3699



27.2291, 16.9038, 7.7440



8.2140, 16.9038, 9.1759



8.4672, 16.9038, 36.0056

Sweetspot

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



27.7907, 16.9046, 32.3702



69.1241, 62.7119, 81.6524



15.9340, 10.4666, 46.5283



14.5347, 12.8692, 17.2216



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.



27.7907, 16.9046, 32.3702



47.2013, 25.8043, 52.9561



24.1864, 15.4629, 13.3905



9.2773, 9.1213, 10.8076



16.6957, 8.2520, 16.8161



0.6126, 0.3005, 0.7192

Inverse Universe

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



27.7907, 16.9046, 32.3702



47.2013, 25.8043, 52.9561



25.6255, 37.9671, 37.2096



9.2773, 9.1213, 10.8076



16.6957, 8.2520, 16.8161



0.6126, 0.3005, 0.7192

Previews

White Background



This preview shows how the XYZ color 27.7901, 16.9038, 32.3699 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

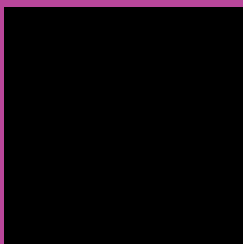
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7901, 16.9038, 32.3699

Background



This preview shows how black text looks on a background with the XYZ color 27.7901, 16.9038, 32.3699.



This preview shows how white text looks on a background with the XYZ color 27.7901, 16.9038,

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

27.7901, 16.9038, 32.3699

Protanopia

18.6176, 17.1505, 49.9061

Deuteranopia

17.4783, 17.1680, 29.9963



Tritanopia

23.6197, 16.8933, 12.1410

Trichromacy



Original Color

27.7901, 16.9038, 32.3699

Protanomaly

19.9963, 15.7489, 43.0602

Deuteranomaly

19.9331, 15.9856, 30.8891

Tritanomaly

24.7856, 16.6784, 18.1326

Monochromacy



Original Color

27.7901, 16.9038, 32.3699

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.9776, 15.8093, 22.8202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7901, 16.9038, 32.3699 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(184, 70, 154)` looks like.

```
.text, #text, p{  
    color:rgb(184, 70, 154)  
}
```

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(184, 70, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 70, 154) }
```

Border

The CSS property to change the border of an element to XYZ 27.7901, 16.9038, 32.3699 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(184, 70, 154) }
```


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

```
.border{ border-color:rgb(184, 70, 154) }
```

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

Here you see how a box with a 4 pixel rgb(184, 70, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 70, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 70, 154);  
box-shadow:4px 4px 4px 4px rgb(184, 70,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7901, 16.9038, 32.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 70, 154) }
```

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

```
.background{ background-color: rgb(184, 70,  
154) }
```

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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