

Converting Colors

XYZ(29.2398, 22.0072, 35.0613)

Have a look what the booklet for
XYZ(29.2398, 22.0072, 35.0613)
contains.

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Color

**XYZ(29.2301, 22.0068,
35.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	B06A9E
RGB	176, 106, 158
RGB Percent	69%, 42%, 62%
CMY	0.3098, 0.5843, 0.3804
CMYK	0.00, 0.40, 0.10, 0.31
HSL	315°, 31%, 55%
HSV	315°, 40%, 69%
XYZ	29.2301, 22.0068, 35.0549
YIQ	132.8580, 25.0280, 31.0120

Conversions

Conversions Part 2

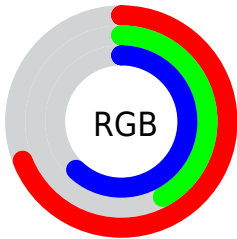
Format	Color
R_{YB}	176, 106, 158
Decimal	11561630
CIE _{Lab}	54.03, 35.62, -16.33
CIE _{LCh}	54, 39.187, 335.377
Yxy	22.0068, 0.3387, 0.2550
Android (android.graphics.Color)	4289751710 (0xFFB06A9E)
YUV	132.8580, 12.3950, 37.8355
Hunter-Lab	46.9114, 29.1269, -11.4669

Details

The XYZ color **29.2301, 22.0068, 35.0549** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.1082, 35.5708, 24.6128**, and the grayscale version is **22.1933, 23.3491, 25.4272**.

A 20% lighter version of the original color is **58.0127, 46.9240, 68.9504**, and **12.0941, 8.0275, 14.8219** is the 20% darker color. If you saturate the color by 10%, you get **27.2168, 18.5918, 32.4970**, and if you desaturate by 10%, it is **31.6314, 26.1740, 37.8133**.

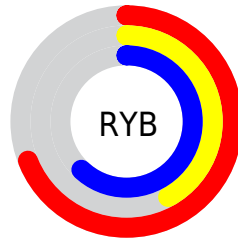
Distribution



Red (69%)

Green (42%)

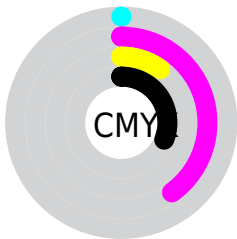
Blue (62%)



Red (69%)

Yellow (42%)

Blue (62%)

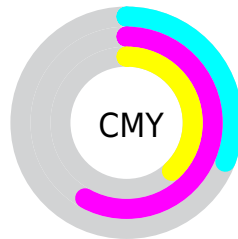


Cyan (0%)

Magenta (40%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (58%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2301, 22.0068, 35.0549 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 29.2301, 22.0068, 35.0549 by changing the saturation by 10% instead.

■ 29.2301, 22.0068,
35.0549

■ 29.2301, 22.0068,
35.0549

290.2737,
262.5818, 339.7222

■ 19.4001, 13.8619,
23.4213

■ 57.8375, 46.7572,
68.7233

■ 12.0655, 8.0247,
14.6967

■ 77.3456, 64.1316,
91.5952

■ 6.8608, 4.1107,
8.4625

■ 100.8105, 85.3511,
119.0503

■ 3.4207, 1.7357,
4.3003

■ 128.5975,
110.8004, 151.5071

■ 1.3800, 0.4466,
1.7915

161.0720,
140.8637, 189.3842

■ 0.2419, 0.0000,
0.4223

198.5993,

■ 0.0000, 0.0000,

175.9254, 233.1000

0.0000

241.5447,
216.3700, 283.0732

■ 29.2301, 22.0068,
35.0549

■ 29.2301, 22.0068,
35.0549

■ 27.2168, 18.5918,
32.4970

■ 31.6314, 26.1740,
37.8133

■ 25.5662, 15.8801,
30.1300

■ 34.4397, 31.1323,
40.7787

■ 24.2535, 13.8216,
27.9448

■ 37.6752, 36.9217,
43.9588

■ 23.2496, 12.3585,
25.9310

■ 41.3563, 43.5785,
47.3604

■ 22.5204, 11.4227,
24.0766

■ 45.5002, 51.1369,
50.9900

■ 21.9953, 10.8735,
22.3571

■ 50.1230, 59.6292,
54.8536

■ 21.9839, 10.8619,
22.3186

■ 55.2404, 69.0861,
58.9571

■ 60.8669, 79.5370,
63.3061

■ 63.9427, 84.8614,
66.8813

Harmonies

Analogous

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



25.9962, 22.0068, 48.4601



29.2301, 22.0068, 35.0549



30.1200, 22.0068, 21.8413

Triad

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



29.2301, 22.0068, 35.0549



20.1627, 22.0068, 7.4317



14.9533, 22.0068, 40.1647

Complementary

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



29.2301, 22.0068, 35.0549



25.1082, 35.5708, 24.6128

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.



13.8099, 22.0068, 26.2150



29.2301, 22.0068, 35.0549



16.5463, 22.0068, 9.5296

Square

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



29.2301, 22.0068, 35.0549



24.4975, 22.0068, 8.3955



14.3512, 22.0068, 15.4969



17.7032, 22.0068, 52.0412

Rectangle

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



29.2301, 22.0068, 35.0549



29.1735, 22.0068, 15.2896



14.3512, 22.0068, 15.4969



14.3865, 22.0068, 35.4149

Sweetspot

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



29.2308, 22.0078, 35.0554



66.8249, 64.2590, 78.2824



21.2316, 17.6918, 43.3706



14.3177, 13.6313, 16.8056



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.



29.2308, 22.0078, 35.0554



49.6730, 34.2402, 59.3551



26.6659, 20.9819, 21.5490



8.7548, 8.6087, 10.2074



16.1545, 7.9794, 16.5055



0.5304, 0.2599, 0.6357

Inverse Universe

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



29.2308, 22.0078, 35.0554



49.6730, 34.2402, 59.3551



27.6847, 36.6014, 38.1803



8.7548, 8.6087, 10.2074



16.1545, 7.9794, 16.5055



0.5304, 0.2599, 0.6357

Previews

White Background



This preview shows how the XYZ color 29.2301, 22.0068, 35.0549 looks on a white background.

Color Contrast Check

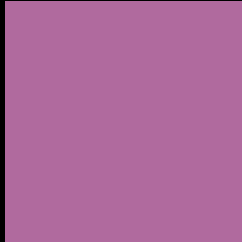
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.2301, 22.0068, 35.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

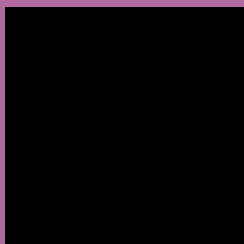
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2301, 22.0068, 35.0549

Background



This preview shows how black text looks on a background with the XYZ color 29.2301, 22.0068, 35.0549.



This preview shows how white text looks on a background with the XYZ color 29.2301, 22.0068,

35.0549.

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

29.2301, 22.0068, 35.0549

Protanopia

22.6953, 22.2762, 43.1480

Deuteranopia

22.6280, 22.2577, 33.6754



Tritanopia

26.4312, 21.9861, 21.2630

Trichromacy



Original Color

29.2301, 22.0068, 35.0549

Protanomaly

24.2656, 21.6634, 39.9483

Deuteranomaly

24.5458, 21.7633, 33.9174

Tritanomaly

27.1827, 21.7854, 25.6940

Monochromacy



Original Color

29.2301, 22.0068, 35.0549

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.3599, 22.5085, 28.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2301, 22.0068, 35.0549 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(176, 106, 158)` looks like.

```
.text, #text, p{  
    color:rgb(176, 106, 158)  
}
```

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(176, 106, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 106, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.2301, 22.0068, 35.0549 is called "border". The border property can be set on classes, ids or directly on the HTML element.

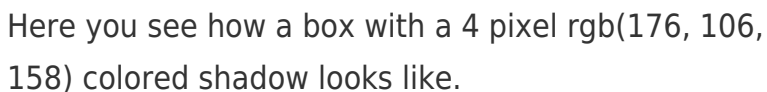
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 106, 158) }
```


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

```
.border{ border-color:rgb(176, 106, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 106, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 106, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 106, 158); box-shadow:4px 4px 4px 4px rgb(176, 106, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2301, 22.0068, 35.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 106, 158) }
```

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

```
.background{ background-color: rgb(176,  
106, 158) }
```

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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