

Converting Colors

XYZ(29.9968, 15.6112, 42.0311)

Have a look what the booklet for
XYZ(29.9968, 15.6112, 42.0311)
contains.

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Color

**XYZ(29.9168, 15.5577,
41.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	BF26AF
RGB	191, 38, 175
RGB Percent	75%, 15%, 69%
CMY	0.2510, 0.8509, 0.3137
CMYK	0.00, 0.80, 0.08, 0.25
HSL	306°, 67%, 45%
HSV	306°, 80%, 75%
XYZ	29.9168, 15.5577, 41.9836
YIQ	99.3650, 47.2110, 75.0430

Conversions

Conversions Part 2

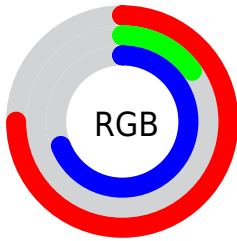
Format	Color
R _Y B	191, 38, 175
Decimal	12527279
CIE Lab	46.39, 71.20, -38.00
CIE LCh	46, 80.707, 331.909
Yxy	15.5577, 0.3421, 0.1779
Android (android.graphics.Color)	4290717359 (0xFFBF26AF)
YUV	99.3650, 37.2881, 80.3639
Hunter-Lab	39.4433, 66.3625, -35.4983

Details

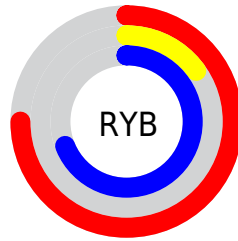
The XYZ color **29.9168, 15.5577, 41.9836** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **20.0967, 37.9406, 9.7553**, and the grayscale version is **11.8535, 12.4708, 13.5807**.

A 20% lighter version of the original color is **58.9588, 35.7815, 79.4004**, and **13.1857, 6.3917, 18.9511** is the 20% darker color. If you saturate the color by 10%, you get **29.2605, 14.5564, 40.8041**, and if you desaturate by 10%, it is **30.8902, 17.1878, 43.2834**.

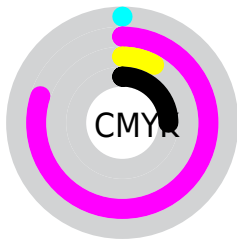
Distribution



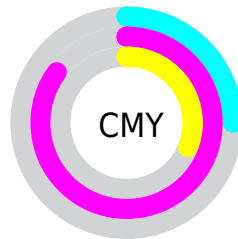
- Red (75%)
- Green (15%)
- Blue (69%)



- Red (75%)
- Yellow (15%)
- Blue (69%)



- Cyan (0%)
- Magenta (80%)
- Yellow (8%)
- Black (25%)




- Cyan (25%)
- Magenta (85%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9168, 15.5577, 41.9836 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 29.9168, 15.5577, 41.9836 by changing the saturation by 10% instead.

 29.9168, 15.5577,
41.9836


 29.9168, 15.5577,
41.9836


293.4332,
226.7175, 370.2126

 19.9232, 9.2117,
28.7630


 58.9181, 35.8286,
79.4446

 12.4472, 4.8795,
18.6576


 78.6565, 50.5224,
104.5221


 7.1233, 2.1768,
11.2488


 102.3739, 68.7675,
134.3890

 3.5864, 0.7073,
6.1182

 130.4357, 90.9484,
169.4637

 1.4709, 0.0000,
2.8471

 163.2071,
117.4494, 210.1649

 0.3059, 0.0000,
1.0171

 201.0536,

 0.0000, 0.0000,

148.6550, 256.9111

0.0000

244.3406,
184.9496, 310.1208

■ 29.9168, 15.5577,
41.9836

■ 29.9168, 15.5577,
41.9836

■ 29.2605, 14.5564,
40.8041

■ 30.8902, 17.1878,
43.2834

■ 28.8392, 14.0177,
39.7264

■ 32.2212, 19.5288,
44.7166

■ 33.9460, 22.6527,
46.2956

■ 36.0960, 26.6222,
48.0308

■ 38.6993, 31.4937,
49.9316

■ 41.7816, 37.3186,
52.0068

■ 45.3669, 44.1446,
54.2643

■ 49.4773, 52.0160,
56.7115

■ 54.1337, 60.9745,
59.3556

Harmonies

Analogous

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



22.9999, 15.5577, 74.2996



29.9168, 15.5577, 41.9836



32.4838, 15.5577, 15.7008

Triad

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



29.9168, 15.5577, 41.9836



14.3480, 15.5577, 0.0000



6.1201, 15.5577, 46.1438

Complementary

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



29.9168, 15.5577, 41.9836



20.0967, 37.9406, 9.7553

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.



5.0730, 15.5577, 18.2421



29.9168, 15.5577, 41.9836



8.8071, 15.5577, 0.8019

Square

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



29.9168, 15.5577, 41.9836



21.9838, 15.5577, 0.6139



5.8770, 15.5577, 4.5817



9.3623, 15.5577, 77.7559

Rectangle

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



29.9168, 15.5577, 41.9836



30.8979, 15.5577, 6.3236



5.8770, 15.5577, 4.5817



5.5551, 15.5577, 35.5223

Sweetspot

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



29.9174, 15.5585, 41.9839



72.3599, 62.1576, 91.5138



11.5819, 5.9137, 49.8217



15.4598, 12.8380, 19.8039



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.9174, 15.5585, 41.9839



51.8428, 25.3543, 71.6318



24.4415, 13.3681, 13.1481



9.8858, 9.6786, 11.7876



18.9701, 9.2192, 26.2000



0.7556, 0.3661, 1.0922

Inverse Universe

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



29.9174, 15.5585, 41.9839



51.8428, 25.3543, 71.6318



23.4468, 39.2807, 27.3964



9.8858, 9.6786, 11.7876



18.9701, 9.2192, 26.2000



0.7556, 0.3661, 1.0922

Previews

White Background



This preview shows how the XYZ color 29.9168, 15.5577, 41.9836 looks on a white background.

Color Contrast Check

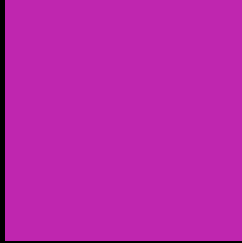
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9168, 15.5577, 41.9836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

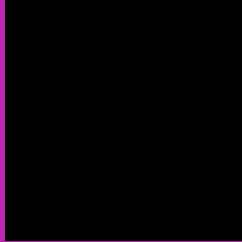
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9168, 15.5577, 41.9836

Background



This preview shows how black text looks on a background with the XYZ color 29.9168, 15.5577, 41.9836.



This preview shows how white text looks on a background with the XYZ color 29.9168, 15.5577,

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

29.9168, 15.5577, 41.9836

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.2052, 15.8469, 37.8020



Tritanopia

23.3238, 15.6932, 9.3892

Trichromacy



Original Color

29.9168, 15.5577, 41.9836



Protanomaly

16.8567, 11.8539, 61.0741



Deuteranomaly

18.6439, 13.4903, 39.1574



Tritanomaly

24.8247, 14.9973, 17.8060

Monochromacy



Original Color

29.9168, 15.5577, 41.9836



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.0004, 11.7456, 21.5025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9168, 15.5577, 41.9836 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(191, 38, 175)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 175)  
}
```

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(191, 38, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.9168, 15.5577, 41.9836 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(191, 38, 175) }
```


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

```
.border{ border-color:rgb(191, 38, 175) }
```

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

Here you see how a box with a 4 pixel rgb(191, 38, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 38, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 38, 175);  
box-shadow:4px 4px 4px 4px rgb(191, 38,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9168, 15.5577, 41.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 175) }
```

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

```
.background{ background-color: rgb(191, 38,  
175) }
```

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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