

Converting Colors

XYZ(29.1462, 15.2140, 51.3333)

Have a look what the booklet for
XYZ(29.1462, 15.2140, 51.3333)
contains.

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Color

**XYZ(29.2007, 15.2368,
51.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	B42BC0
RGB	180, 43, 192
RGB Percent	71%, 17%, 75%
CMY	0.2941, 0.8313, 0.2471
CMYK	0.06, 0.78, 0.00, 0.25
HSL	295°, 63%, 46%
HSV	295°, 78%, 75%
XYZ	29.2007, 15.2368, 51.2711
YIQ	100.9490, 33.8230, 75.3830

Conversions

Conversions Part 2

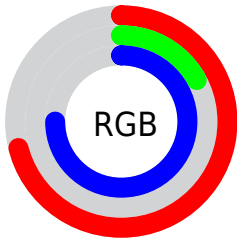
Format	Color
R_{YB}	180, 43, 192
Decimal	11807680
CIE _{Lab}	45.96, 70.33, -48.77
CIE _{LCh}	46, 85.585, 325.257
Yxy	15.2368, 0.3051, 0.1592
Android (android.graphics.Color)	4289997760 (0xFFB42BC0)
YUV	100.9490, 44.8881, 69.3277
Hunter-Lab	39.0343, 65.2217, -50.5526

Details

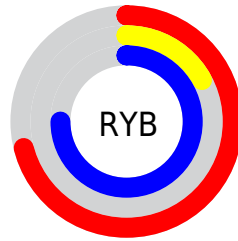
The XYZ color **29.2007, 15.2368, 51.2711** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **20.8617, 38.6862, 8.6538**, and the grayscale version is **12.2393, 12.8767, 14.0227**.

A 20% lighter version of the original color is **57.7471, 35.2934, 93.3912**, and **12.7558, 6.0459, 24.5394** is the 20% darker color. If you saturate the color by 10%, you get **28.3019, 13.9700, 51.0742**, and if you desaturate by 10%, it is **30.4331, 17.1636, 51.5783**.

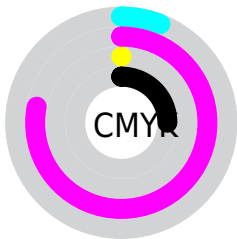
Distribution



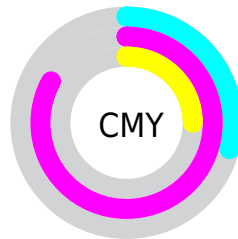
- Red (71%)
- Green (17%)
- Blue (75%)



- Red (71%)
- Yellow (17%)
- Blue (75%)



- Cyan (6%)
- Magenta (78%)
- Yellow (0%)
- Black (25%)



- Cyan (29%)
- Magenta (83%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2007, 15.2368, 51.2711 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 29.2007, 15.2368, 51.2711 by changing the saturation by 10% instead.

■ 29.2007, 15.2368,
51.2711

■ 29.2007, 15.2368,
51.2711

290.1379,
224.7951, 408.4927

■ 19.3777, 8.9857,
36.0462

■ 57.7912, 35.2681,
93.4710

■ 12.0492, 4.7319,
24.1799

■ 77.2894, 49.8171,
121.2830

■ 6.8496, 2.0908,
15.2537

■ 100.7434, 67.9008,
154.1279

■ 3.4137, 0.6595,
8.8490

■ 128.5186, 89.9038,
192.4240

■ 1.3761, 0.0000,
4.5474

■ 160.9802,
116.2103, 236.5900

■ 0.2391, 0.0000,
1.9302

■ 198.4938,

■ 0.0000, 0.0000,

147.2047, 287.0445

0.5118

241.4245,
183.2715, 344.2059

■ 0.0000, 0.0000,
0.0000

■ 29.2007, 15.2368,
51.2711

■ 29.2007, 15.2368,
51.2711

■ 28.3019, 13.9700,
51.0742

■ 30.4331, 17.1636,
51.5783

■ 27.6752, 13.2422,
50.9667

■ 32.0380, 19.8300,
52.0084

■ 27.5409, 13.0988,
50.9461

■ 34.0509, 23.3064,
52.5733

■ 36.5027, 27.6546,
53.2833

■ 39.4212, 32.9303,
54.1478

■ 42.8321, 39.1845,
55.1752

■ 46.7589, 46.4645,
56.3735

■ 51.2238, 54.8147,
57.7499

■ 56.2477, 64.2768,
59.3115

Harmonies

Analogous

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



21.2724, 15.2368, 85.0980



29.2007, 15.2368, 51.2711



33.2614, 15.2368, 20.1109

Triad

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



29.2007, 15.2368, 51.2711



15.6642, 15.2368, 0.0000



5.1868, 15.2368, 40.0835

Complementary

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



29.2007, 15.2368, 51.2711



20.8617, 38.6862, 8.6538

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.



4.5661, 15.2368, 13.5066



29.2007, 15.2368, 51.2711



9.3166, 15.2368, 0.1281

Square

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



29.2007, 15.2368, 51.2711



23.9546, 15.2368, 0.6229



5.7894, 15.2368, 2.6621



7.9081, 15.2368, 75.6629

Rectangle

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



29.2007, 15.2368, 51.2711



32.4961, 15.2368, 8.1539



5.7894, 15.2368, 2.6621



4.7745, 15.2368, 29.4513

Sweetspot

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



29.2013, 15.2375, 51.2714



73.9332, 64.2425, 98.8636



11.8973, 7.0922, 50.6112



15.3964, 12.9329, 21.0701



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.



29.2013, 15.2375, 51.2714



50.4622, 24.3318, 92.3971



26.6263, 14.5443, 22.4947



10.4147, 10.2049, 12.7057



18.5630, 8.8300, 34.2826



0.8262, 0.3940, 1.4824

Inverse Universe

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



23.2921, 13.2106, 4.9373



39.9183, 20.8505, 3.6065



22.4005, 39.2349, 19.7805



10.1054, 10.0908, 10.6455



14.6997, 7.5697, 1.0650



0.6466, 0.3317, 0.1066

Previews

White Background



This preview shows how the XYZ color 29.2007, 15.2368, 51.2711 looks on a white background.

Color Contrast Check

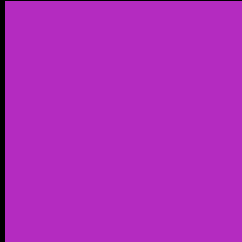
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2007, 15.2368, 51.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

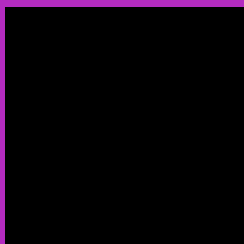
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.2007, 15.2368, 51.2711

Background



This preview shows how black text looks on a background with the XYZ color 29.2007, 15.2368, 51.2711.



This preview shows how white text looks on a background with the XYZ color 29.2007, 15.2368,

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

29.2007, 15.2368, 51.2711

Deuteranopia

16.0060, 15.5534, 46.4145

Tritanopia

21.0449, 15.2326, 11.2822

Trichromacy



Original Color

29.2007, 15.2368, 51.2711

Deuteranomaly

18.0164, 13.2040, 48.0534

Tritanomaly

22.8463, 14.4113, 21.3162

Monochromacy



Original Color

29.2007, 15.2368, 51.2711

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.3777, 12.2044, 24.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2007, 15.2368, 51.2711 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(180, 43, 192)` looks like.

```
.text, #text, p{  
    color:rgb(180, 43, 192)  
}
```

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(180, 43, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 43, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.2007, 15.2368, 51.2711 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(180, 43, 192) }
```

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

```
.border{ border-color:rgb(180, 43, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 43, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 43, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 43, 192);  
box-shadow:4px 4px 4px 4px rgb(180, 43,  
192) }
```


Background

The CSS property to change the background color of an element to XYZ 29.2007, 15.2368, 51.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 43, 192) }
```

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

```
.background{ background-color: rgb(180, 43,  
192) }
```

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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