

Converting Colors

XYZ(29.7531, 18.2339, 54.2918)

Have a look what the booklet for
XYZ(29.7531, 18.2339, 54.2918)
contains.

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Color

**XYZ(29.7015, 18.2050,
54.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4EC4
RGB	172, 78, 196
RGB Percent	67%, 31%, 77%
CMY	0.3255, 0.6941, 0.2314
CMYK	0.12, 0.60, 0.00, 0.23
HSL	288°, 50%, 54%
HSV	288°, 60%, 77%
XYZ	29.7015, 18.2050, 54.1730
YIQ	119.5580, 18.1460, 56.6260

Conversions

Conversions Part 2

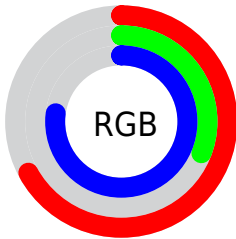
Format	Color
R_{YB}	172, 78, 196
Decimal	11292356
CIE _{Lab}	49.74, 55.92, -45.13
CIE _{LCh}	50, 71.858, 321.097
Yxy	18.2050, 0.2910, 0.1783
Android (android.graphics.Color)	4289482436 (0xFFAC4EC4)
YUV	119.5580, 37.6859, 45.9916
Hunter-Lab	42.6673, 49.5893, -45.4110

Details

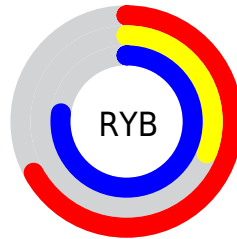
The XYZ color **29.7015, 18.2050, 54.1730** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted purple. A complement of this color would be **26.5951, 42.8551, 14.0786**, and the grayscale version is **17.5923, 18.5085, 20.1557**.

A 20% lighter version of the original color is **58.6140, 40.4174, 97.6405**, and **12.3178, 6.1317, 26.1255** is the 20% darker color. If you saturate the color by 10%, you get **27.6491, 15.3791, 53.7360**, and if you desaturate by 10%, it is **32.1964, 21.8757, 54.7503**.

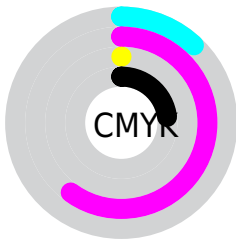
Distribution



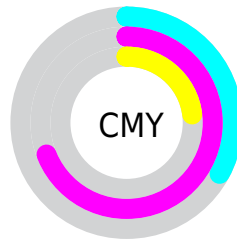
- Red (67%)
- Green (31%)
- Blue (77%)



- Red (67%)
- Yellow (31%)
- Blue (77%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (69%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7015, 18.2050, 54.1730 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 29.7015, 18.2050, 54.1730 by changing the saturation by 10% instead.

■ 29.7015, 18.2050,
54.1730

■ 29.7015, 18.2050,
54.1730

292.4454,
242.0240, 419.9626

■ 19.7591, 11.0973,
38.3459

■ 58.5797, 40.3863,
97.7872

■ 12.3273, 6.1323,
25.9473

■ 78.2461, 56.2287,
126.4113

■ 7.0408, 2.9257,
16.5588

■ 101.8846, 75.7514,
160.1382

■ 3.5342, 1.0931,
9.7618

■ 129.8606, 99.3389,
199.3863

■ 1.4421, 0.0000,
5.1378

■ 162.5392,
127.3755, 244.5743

■ 0.2859, 0.0000,
2.2682

200.2861,

■ 0.0000, 0.0000,

160.2456, 296.1207

0.7133

243.4663,
198.3337, 354.4439

■ 0.0000, 0.0000,
0.0000

■ 29.7015, 18.2050,
54.1730

■ 29.7015, 18.2050,
54.1730

■ 27.6491, 15.3791,
53.7360

■ 32.1964, 21.8757,
54.7503

■ 25.9988, 13.3194,
53.4254

■ 35.1654, 26.4560,
55.4779

■ 24.7060, 11.9362,
53.2266

■ 38.6395, 32.0067,
56.3662

■ 23.7007, 11.0672,
53.1118

■ 42.6463, 38.5830,
57.4244

■ 47.2114, 46.2357,
58.6609

■ 52.3587, 55.0121,
60.0836

■ 58.1107, 64.9570,
61.7000

■ 64.4886, 76.1124,
63.5171

■ 71.5125, 88.5185,
65.5415

Harmonies

Analogous

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



22.4870, 18.2050, 79.8972



29.7015, 18.2050, 54.1730



33.8379, 18.2050, 26.2475

Triad

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



29.7015, 18.2050, 54.1730



19.4214, 18.2050, 1.0344



7.6987, 18.2050, 36.7236

Complementary

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



29.7015, 18.2050, 54.1730



26.5951, 42.8551, 14.0786

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.



7.2846, 18.2050, 14.5416



29.7015, 18.2050, 54.1730



12.9845, 18.2050, 1.3517

Square

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



29.7015, 18.2050, 54.1730



26.9561, 18.2050, 2.5781



8.9481, 18.2050, 4.3220



10.2833, 18.2050, 66.0130

Rectangle

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



29.7015, 18.2050, 54.1730



33.7012, 18.2050, 13.4156



8.9481, 18.2050, 4.3220



7.3339, 18.2050, 27.9994

Sweetspot

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



29.7022, 18.2058, 54.1734



78.7635, 72.4023, 104.4315



18.0132, 15.4197, 54.2517



16.3651, 14.6772, 22.2204



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.7022, 18.2058, 54.1734



49.1403, 26.6304, 97.1579



32.0620, 19.8141, 36.5824



10.2902, 10.1408, 12.6998



15.3007, 7.1482, 34.1299



0.7131, 0.3357, 1.4771

Inverse Universe

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



27.8881, 18.1445, 14.6034



46.2652, 26.9161, 17.1519



25.7756, 42.2573, 21.9632



10.1551, 10.1107, 10.9074



14.8975, 7.6487, 2.1062



0.6689, 0.3406, 0.2241

Previews

White Background



This preview shows how the XYZ color 29.7015, 18.2050, 54.1730 looks on a white background.

Color Contrast Check

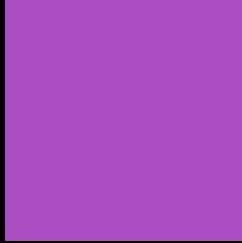
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7015, 18.2050, 54.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

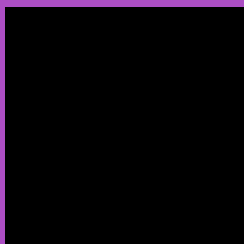
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7015, 18.2050, 54.1730

Background



This preview shows how black text looks on a background with the XYZ color 29.7015, 18.2050, 54.1730.



This preview shows how white text looks on a background with the XYZ color 29.7015, 18.2050,

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

29.7015, 18.2050, 54.1730

Protanopia

21.9151, 18.7160, 78.8014

Deuteranopia

19.0066, 18.5300, 50.7190



Tritanopia

22.0630, 18.1021, 17.0831

Trichromacy



Original Color

29.7015, 18.2050, 54.1730



Protanomaly

22.0518, 16.9444, 69.1262



Deuteranomaly

21.2748, 17.2171, 52.0711



Tritanomaly

24.0319, 17.6443, 27.3384

Monochromacy



Original Color

29.7015, 18.2050, 54.1730



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.0443, 17.7302, 30.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7015, 18.2050, 54.1730 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(172, 78, 196)` looks like.

```
.text, #text, p{  
    color:rgb(172, 78, 196)  
}
```

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(172, 78, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 78, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.7015, 18.2050, 54.1730 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(172, 78, 196) }
```


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

```
.border{ border-color:rgb(172, 78, 196) }
```

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

Here you see how a box with a 4 pixel rgb(172, 78, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 78, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 78, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 78,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7015, 18.2050, 54.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 78, 196) }
```

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

```
.background{ background-color: rgb(172, 78,  
196) }
```

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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