

Converting Colors

XYZ(29.7627, 18.1601, 53.2554)

Have a look what the booklet for
XYZ(29.7627, 18.1601, 53.2554)
contains.

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Color

**XYZ(29.6251, 18.0870,
52.9687)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4DC2
RGB	173, 77, 194
RGB Percent	68%, 30%, 76%
CMY	0.3216, 0.6980, 0.2392
CMYK	0.11, 0.60, 0.00, 0.24
HSL	289°, 49%, 53%
HSV	289°, 60%, 76%
XYZ	29.6251, 18.0870, 52.9687
YIQ	119.0420, 19.6590, 56.7390

Conversions

Conversions Part 2

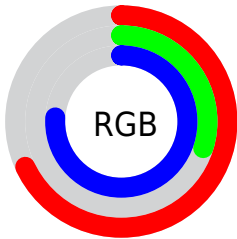
Format	Color
R _Y B	173, 77, 194
Decimal	11357634
CIE Lab	49.60, 56.24, -44.19
CIE LCh	50, 71.527, 321.844
Yxy	18.0870, 0.2942, 0.1796
Android (android.graphics.Color)	4289547714 (0xFFAD4DC2)
YUV	119.0420, 36.9543, 47.3212
Hunter-Lab	42.5288, 49.9157, -44.0742

Details

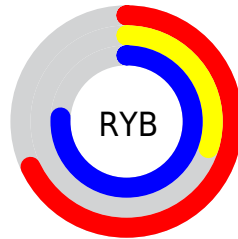
The XYZ color **29.6251, 18.0870, 52.9687** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted purple. A complement of this color would be **25.6688, 41.7165, 13.7210**, and the grayscale version is **17.4310, 18.3388, 19.9709**.

A 20% lighter version of the original color is **58.4839, 40.1866, 95.9411**, and **12.2702, 6.0763, 25.3371** is the 20% darker color. If you saturate the color by 10%, you get **27.7048, 15.3740, 52.5465**, and if you desaturate by 10%, it is **31.9716, 21.6213, 53.5275**.

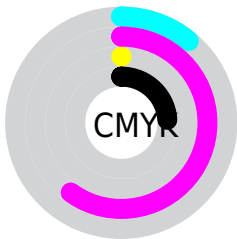
Distribution



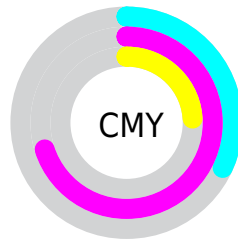
- Red (68%)
- Green (30%)
- Blue (76%)



- Red (68%)
- Yellow (30%)
- Blue (76%)



- Cyan (11%)
- Magenta (60%)
- Yellow (0%)
- Black (24%)



- Cyan (32%)
- Magenta (70%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6251, 18.0870, 52.9687 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 29.6251, 18.0870, 52.9687 by changing the saturation by 10% instead.

■ 29.6251, 18.0870,
52.9687

■ 29.6251, 18.0870,
52.9687

292.0943,
241.3610, 415.2279

■ 19.7009, 11.0125,
37.3902

■ 58.4595, 40.1855,
95.9994

■ 12.2848, 6.0752,
25.2116

■ 78.1004, 55.9783,
124.2887

■ 7.0115, 2.8909,
16.0143

■ 101.7108, 75.4459,
157.6520

■ 3.5157, 1.0750,
9.3798

■ 129.6562, 98.9728,
196.5079

■ 1.4320, 0.0000,
4.8896

■ 162.3019,
126.9434, 241.2749

■ 0.2788, 0.0000,
2.1250

200.0132,

■ 0.0000, 0.0000,

159.7420, 292.3715

0.6306

243.1556,
197.7531, 350.2164

■ 0.0000, 0.0000,
0.0000

■ 29.6251, 18.0870,
52.9687

■ 29.6251, 18.0870,
52.9687

■ 27.7048, 15.3740,
52.5465

■ 31.9716, 21.6213,
53.5275

■ 26.1712, 13.4054,
52.2474

■ 34.7749, 26.0398,
54.2326

■ 24.9808, 12.0939,
52.0570

■ 38.0652, 31.4022,
55.0942

■ 24.0718, 11.2846,
51.9487

■ 41.8695, 37.7620,
56.1213

■ 46.2126, 45.1688,
57.3220

■ 51.1178, 53.6690,
58.7042

■ 56.6070, 63.3060,
60.2750

■ 62.7007, 74.1209,
62.0413

■ 69.4187, 86.1527,
64.0096

Harmonies

Analogous

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



22.5164, 18.0870, 78.7121



29.6251, 18.0870, 52.9687



33.6084, 18.0870, 25.4840

Triad

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



29.6251, 18.0870, 52.9687



19.1092, 18.0870, 1.0303



7.7027, 18.0870, 37.1228

Complementary

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



29.6251, 18.0870, 52.9687



25.6688, 41.7165, 13.7210

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.



7.2410, 18.0870, 14.8544



29.6251, 18.0870, 52.9687



12.7796, 18.0870, 1.3875

Square

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



29.6251, 18.0870, 52.9687



26.5760, 18.0870, 2.5023



8.8380, 18.0870, 4.4549



10.3254, 18.0870, 66.1031

Rectangle

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



29.6251, 18.0870, 52.9687



33.3809, 18.0870, 12.9775



8.8380, 18.0870, 4.4549



7.3233, 18.0870, 28.4004

Sweetspot

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



29.6258, 18.0878, 52.9691



77.3675, 70.9726, 102.0912



17.2087, 14.2934, 52.8912



16.4602, 14.7262, 22.2248



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.



29.6258, 18.0878, 52.9691



49.3383, 26.7122, 95.0253



30.9841, 19.2103, 33.9515



10.3143, 10.1532, 12.7010



15.8893, 7.4516, 34.1575



0.7339, 0.3464, 1.4781

Inverse Universe

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



27.1071, 17.6595, 13.5357



45.0051, 26.2317, 15.6046



25.3930, 41.3778, 22.5836



10.1454, 10.1068, 10.8561



14.8472, 7.6286, 1.8416



0.6646, 0.3389, 0.2012

Previews

White Background



This preview shows how the XYZ color 29.6251, 18.0870, 52.9687 looks on a white background.

Color Contrast Check

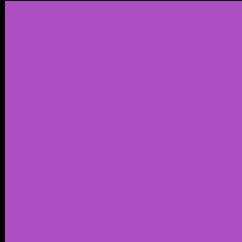
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6251, 18.0870, 52.9687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

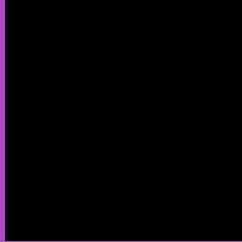
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6251, 18.0870, 52.9687

Background



This preview shows how black text looks on a background with the XYZ color 29.6251, 18.0870, 52.9687.



This preview shows how white text looks on a background with the XYZ color 29.6251, 18.0870,

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

29.6251, 18.0870, 52.9687

Protanopia

21.6803, 18.6276, 77.3157

Deuteranopia

18.8414, 18.2941, 49.5518



Tritanopia

22.1119, 17.9886, 16.7747

Trichromacy



Original Color

29.6251, 18.0870, 52.9687



Protanomaly

21.7942, 16.6968, 67.7198



Deuteranomaly

21.0839, 16.9956, 50.8844



Tritanomaly

24.0778, 17.5471, 26.9288

Monochromacy



Original Color

29.6251, 18.0870, 52.9687



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.7861, 17.4649, 29.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6251, 18.0870, 52.9687 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(173, 77, 194)` looks like.

```
.text, #text, p{  
    color:rgb(173, 77, 194)  
}
```

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(173, 77, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 77, 194) }
```

Border

The CSS property to change the border of an element to XYZ 29.6251, 18.0870, 52.9687 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(173, 77, 194) }
```


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

```
.border{ border-color:rgb(173, 77, 194) }
```

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

Here you see how a box with a 4 pixel rgb(173, 77, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 77, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 77, 194);  
box-shadow:4px 4px 4px 4px rgb(173, 77,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6251, 18.0870, 52.9687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 77, 194) }
```

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

```
.background{ background-color: rgb(173, 77,  
194) }
```

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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