

Converting Colors

XYZ(29.8529, 14.0887, 60.1775)

Have a look what the booklet for
XYZ(29.8529, 14.0887, 60.1775)
contains.

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Color

**XYZ(29.8529, 14.0887,
60.1775)**

Conversions

Conversions Part 1

Format	Color
Hex	B300CF
RGB	179, 0, 207
RGB Percent	70%, 0%, 81%
CMY	0.2980, 0.9999, 0.1882
CMYK	0.14, 1.00, 0.00, 0.19
HSL	292°, 100%, 41%
HSV	292°, 100%, 81%
XYZ	29.8529, 14.0887, 60.1775
YIQ	77.1190, 40.2370, 102.3250

Conversions

Conversions Part 2

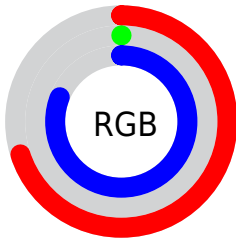
Format	Color
RYB	179, 0, 207
Decimal	11731151
CIELab	44.36, 79.70, -60.06
CIElCh	44, 99.800, 323.000
Yxy	14.0887, 0.2867, 0.1353
Android (android.graphics.Color)	4289921231 (0xFFB300CF)
YUV	77.1190, 64.0313, 89.3496
Hunter-Lab	37.5349, 76.2815, -68.7817

Details

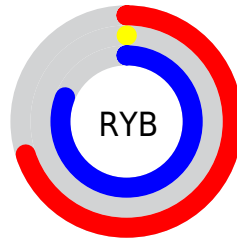
The XYZ color **29.8529, 14.0887, 60.1775** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **22.7923, 44.8730, 7.4605**, and the grayscale version is **6.9576, 7.3200, 7.9715**.

A 20% lighter version of the original color is **57.1363, 32.5502, 97.8791**, and **13.5527, 6.3319, 30.2136** is the 20% darker color. If you saturate the color by 10%, you get **29.8529, 14.0887, 60.1777**, and if you desaturate by 10%, it is **30.7702, 14.9519, 60.2960**.

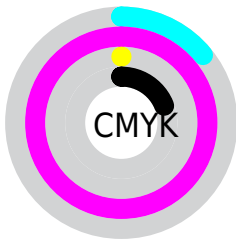
Distribution



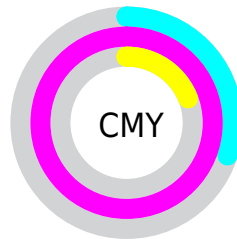
- Red (70%)
- Green (0%)
- Blue (81%)



- Red (70%)
- Yellow (0%)
- Blue (81%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)





- Cyan (30%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8529, 14.0887, 60.1775 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 29.8529, 14.0887, 60.1775 by changing the saturation by 10% instead.


 29.8529, 14.0887,
60.1775

 29.8529, 14.0887,
60.1775


293.1403,
217.7819, 443.0745


 19.8745, 8.1824,
43.1355


 58.8177, 33.2463,
106.6330


 12.4116, 4.2119,
29.6592

 78.5348, 47.2664,
136.8836

 7.0988, 1.7928,
19.3302


 102.2288, 64.7599,
172.3741

 3.5709, 0.4827,
11.7299

 130.2651, 86.1112,
213.5231

 1.4623, 0.0000,
6.4398

 163.0091,
111.7046, 260.7490

 0.3000, 0.0000,
3.0412

 200.8260,

 0.0000, 0.0000,

141.9246, 314.4706

1.1157

244.0813,
177.1556, 375.1062

■ 0.0000, 0.0000,
0.0000

■ 29.8529, 14.0887,
60.1775

■ 29.8529, 14.0887,
60.1775

■ 29.8529, 14.0887,
60.1777

■ 30.7702, 14.9519,
60.2960

■ 31.9816, 16.3847,
60.5087

■ 33.5835, 18.5785,
60.8477

■ 35.6275, 21.6366,
61.3303

■ 38.1571, 25.6462,
61.9709

■ 41.2108, 30.6838,
62.7823

■ 44.8229, 36.8179,
63.7759

■ 49.0248, 44.1114,
64.9622

■ 53.8455, 52.6221,
66.3509

Harmonies

Analogous

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



20.3595, 14.0887, 102.3778



29.8529, 14.0887, 60.1775



35.2482, 14.0887, 21.3719

Triad

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



29.8529, 14.0887, 60.1775



15.3581, 14.0887, 0.0000



3.6251, 14.0887, 39.8523

Complementary

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



29.8529, 14.0887, 60.1775



22.7923, 44.8730, 7.4605

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.



3.1801, 14.0887, 10.5657



29.8529, 14.0887, 60.1775



8.2272, 14.0887, 0.0000

Square

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



29.8529, 14.0887, 60.1775



24.9705, 14.0887, 0.0000



4.4692, 14.0887, 1.1600



6.0931, 14.0887, 84.4711

Rectangle

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



29.8529, 14.0887, 60.1775



34.7170, 14.0887, 7.4002



4.4692, 14.0887, 1.1600



3.2888, 14.0887, 27.5633

Sweetspot

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



29.8536, 14.0893, 60.1778



71.6049, 58.6101, 102.1466



11.7544, 5.4884, 59.4716



14.7767, 11.6058, 21.7113



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.



29.8536, 14.0893, 60.1778



47.7188, 22.5148, 96.4385



30.0744, 15.0026, 24.0687



12.1470, 11.9246, 14.9051



18.8673, 8.9067, 37.9172



1.0995, 0.5210, 2.1222

Inverse Universe

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



25.9422, 13.3497, 2.3089



41.5359, 21.3784, 3.4882



23.4979, 45.0999, 13.6766



11.8729, 11.8339, 12.6066



16.3647, 8.4187, 1.5608



0.9367, 0.4794, 0.2016

Previews

White Background



This preview shows how the XYZ color 29.8529, 14.0887, 60.1775 looks on a white background.

Color Contrast Check

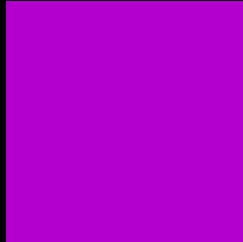
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8529, 14.0887, 60.1775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

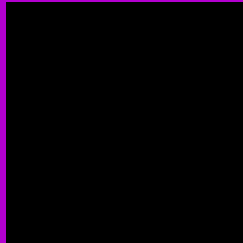
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.8529, 14.0887, 60.1775

Background



This preview shows how black text looks on a background with the XYZ color 29.8529, 14.0887, 60.1775.



This preview shows how white text looks on a background with the XYZ color 29.8529, 14.0887,

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

29.8529, 14.0887, 60.1775

Protanopia

17.5051, 14.7625, 68.2565

Tritanopia

19.7670, 14.3595, 10.7467

Trichromacy



Original Color

29.8529, 14.0887, 60.1775



Protanomaly

16.2658, 9.8753, 64.6671



Tritanomaly

21.6869, 12.5297, 22.7482

Monochromacy



Original Color

29.8529, 14.0887, 60.1775



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6758, 7.2293, 19.8488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8529, 14.0887, 60.1775 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(179, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 207)  
}
```

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(179, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 29.8529, 14.0887, 60.1775 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(179, 0, 207) }
```

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

```
.border{ border-color:rgb(179, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
207) }
```


Background

The CSS property to change the background color of an element to XYZ 29.8529, 14.0887, 60.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 207) }
```

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

```
.background{ background-color: rgb(179, 0,  
207) }
```

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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