

Converting Colors

XYZ(29.0914, 16.6594, 83.4717)

Have a look what the booklet for
XYZ(29.0914, 16.6594, 83.4717)
contains.

XYZ(29.0527, 16.6175, 83.3376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0527, 16.6175,
83.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	8E48EF
RGB	142, 72, 239
RGB Percent	56%, 28%, 94%
CMY	0.4431, 0.7176, 0.0627
CMYK	0.41, 0.70, 0.00, 0.06
HSL	265°, 84%, 61%
HSV	265°, 70%, 94%
XYZ	29.0527, 16.6175, 83.3376
YIQ	111.9680, -11.8870, 66.7770

Conversions

Conversions Part 2

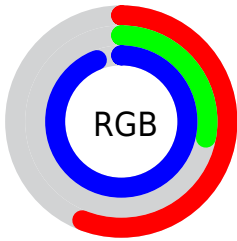
Format	Color
R_{YB}	142, 72, 239
Decimal	9324783
CIE _{Lab}	47.77, 61.92, -72.99
CIE _{LCh}	48, 95.717, 310.309
Yxy	16.6175, 0.2252, 0.1288
Android (android.graphics.Color)	4287514863 (0xFF8E48EF)
YUV	111.9680, 62.6268, 26.3381
Hunter-Lab	40.7646, 55.8780, -92.6751

Details

The XYZ color **29.0527, 16.6175, 83.3376** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **48.3978, 70.6358, 17.2143**, and the grayscale version is **15.2173, 16.0098, 17.4346**.

A 20% lighter version of the original color is **49.8680, 34.6983, 98.6768**, and **11.9565, 5.3661, 44.6615** is the 20% darker color. If you saturate the color by 10%, you get **25.5617, 12.9529, 82.8146**, and if you desaturate by 10%, it is **33.4421, 21.6362, 84.0753**.

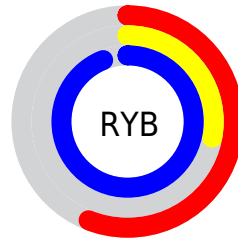
Distribution



Red (56%)

Green (28%)

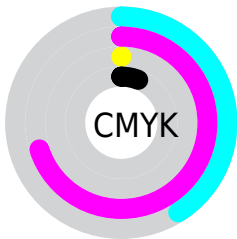
Blue (94%)



Red (56%)

Yellow (28%)

Blue (94%)

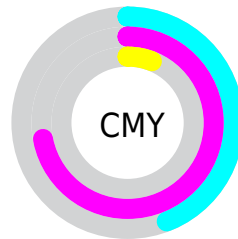


Cyan (41%)

Magenta (70%)

Yellow (0%)

Black (6%)



Cyan (44%)


Magenta (72%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0527, 16.6175, 83.3376 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 29.0527, 16.6175, 83.3376 by changing the saturation by 10% instead.


 29.0527, 16.6175,
83.3376


 29.0527, 16.6175,
83.3376


289.4532,
232.9584, 526.1114

 19.2652, 9.9622,
61.9265


 57.5578, 37.6669,
139.9017

 11.9672, 5.3739,
44.5379


 77.0061, 52.8298,
175.8917


 6.7934, 2.4683,
30.7533


 100.4053, 71.5974,
217.5784

 3.3784, 0.8607,
20.1542

 128.1208, 94.3539,
265.3803

 1.3569, 0.0000,
12.3220

 160.5180,
121.4839, 319.7161

 0.2252, 0.0000,
6.8382

197.9623,

 0.0000, 0.0000,

153.3717, 381.0041

3.2842

240.8189,
190.4018, 449.6631

■ 0.0000, 0.0000,
1.2415

■ 0.0000, 0.0000,
0.0131

■ 29.0527, 16.6175,
83.3376

■ 29.0527, 16.6175,
83.3376

■ 25.5617, 12.9529,
82.8146

■ 33.4421, 21.6362,
84.0753

■ 22.8817, 10.4872,
82.4800


■ 38.7999, 28.1373,
85.0478


■ 20.8788, 8.9684,
82.2924


■ 45.1912, 36.2351,
86.2740


■ 20.8561, 8.9519,
82.2904


■ 52.6742, 46.0322,
87.7706

 61.3025, 57.6223,
89.5530

 71.1257, 71.0922,
91.6352

 82.1905, 86.5227,
94.0304

 91.8687, 98.6453,
95.8602

 92.5801, 99.0120,
95.8935

Harmonies

Analogous

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



18.9350, 16.6175, 115.7651



29.0527, 16.6175, 83.3376



36.9780, 16.6175, 39.1410

Triad

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



29.0527, 16.6175, 83.3376



22.0313, 16.6175, 0.0000



4.4878, 16.6175, 27.9359

Complementary

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



29.0527, 16.6175, 83.3376



48.3978, 70.6358, 17.2143

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.



4.7964, 16.6175, 6.3858



29.0527, 16.6175, 83.3376



13.0219, 16.6175, 0.0000

Square

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



29.0527, 16.6175, 83.3376



32.0123, 16.6175, 1.5085



7.3447, 16.6175, 0.6557



6.2580, 16.6175, 69.1072

Rectangle

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



29.0527, 16.6175, 83.3376



38.7048, 16.6175, 17.8396



7.3447, 16.6175, 0.6557



4.3737, 16.6175, 18.3500

Sweetspot

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



29.0536, 16.6180, 83.3380



69.7504, 65.0343, 103.4844



32.5183, 36.1412, 86.9238



14.3172, 13.0932, 22.0226



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.



29.0536, 16.6180, 83.3380



28.1326, 13.5846, 95.7471



48.9749, 26.8879, 84.2703



15.5252, 15.5524, 19.9053



11.6674, 5.0202, 45.4819



1.0815, 0.4748, 3.7889

Inverse Universe

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



45.0753, 25.8501, 40.1483



48.8368, 25.5564, 38.0568



35.8665, 64.1757, 16.6278



16.1578, 15.9128, 18.3871



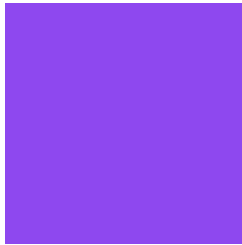
22.3063, 11.1949, 14.7954



1.9052, 0.9511, 1.4916

Previews

White Background



This preview shows how the XYZ color 29.0527, 16.6175, 83.3376 looks on a white background.

Color Contrast Check

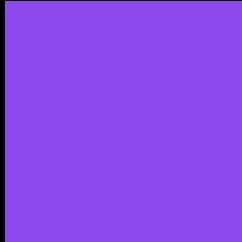
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0527, 16.6175, 83.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

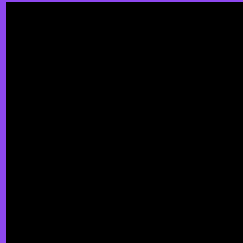
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.0527, 16.6175, 83.3376

Background



This preview shows how black text looks on a background with the XYZ color 29.0527, 16.6175, 83.3376.



This preview shows how white text looks on a background with the XYZ color 29.0527, 16.6175,

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

29.0527, 16.6175, 83.3376

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.6707, 16.6609, 56.9808



Tritanopia

16.1448, 16.3698, 20.0781

Trichromacy



Original Color

29.0527, 16.6175, 83.3376



Protanomaly

20.4503, 15.0363, 79.6664



Deuteranomaly

18.1109, 14.6994, 65.5011



Tritanomaly

19.3430, 15.5537, 36.6330

Monochromacy



Original Color

29.0527, 16.6175, 83.3376



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.6146, 15.2290, 34.3061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0527, 16.6175, 83.3376 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(142, 72, 239)` looks like.

```
.text, #text, p{  
    color:rgb(142, 72, 239)  
}
```

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(142, 72, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 72, 239) }
```

Border

The CSS property to change the border of an element to XYZ 29.0527, 16.6175, 83.3376 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(142, 72, 239) }
```


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

```
.border{ border-color:rgb(142, 72, 239) }
```

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

Here you see how a box with a 4 pixel rgb(142, 72, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 72, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 72, 239);  
box-shadow:4px 4px 4px 4px rgb(142, 72,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0527, 16.6175, 83.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 72, 239) }
```

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

```
.background{ background-color: rgb(142, 72,  
239) }
```

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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