

Converting Colors

XYZ(32.3178, 16.0520, 29.0027)

Have a look what the booklet for
XYZ(32.3178, 16.0520, 29.0027)
contains.

XYZ(32.4178, 16.1036, 29.0035)	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(32.4178, 16.1036,
29.0035)**

Conversions

Conversions Part 1

Format	Color
Hex	D40093
RGB	212, 0, 147
RGB Percent	83%, 0%, 58%
CMY	0.1686, 0.9998, 0.4235
CMYK	0.00, 1.00, 0.31, 0.17
HSL	318°, 100%, 42%
HSV	318°, 100%, 83%
XYZ	32.4178, 16.1036, 29.0035
YIQ	80.1460, 79.1650, 90.6610

Conversions

Conversions Part 2

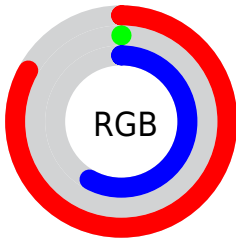
Format	Color
R_{YB}	212, 0, 147
Decimal	13893779
CIE _{Lab}	47.11, 77.32, -19.87
CIE _{LCh}	47, 79.830, 345.584
Yxy	16.1036, 0.4182, 0.2077
Android (android.graphics.Color)	4292083859 (0xFFD40093)
YUV	80.1460, 32.9590, 115.6360
Hunter-Lab	40.1293, 73.9721, -14.7614

Details

The XYZ color **32.4178, 16.1036, 29.0035** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.4992, 47.4693, 12.8781**, and the grayscale version is **7.5846, 7.9796, 8.6898**.

A 20% lighter version of the original color is **55.5237, 32.9592, 58.6937**, and **15.0602, 7.5199, 11.7241** is the 20% darker color. If you saturate the color by 10%, you get **32.4170, 16.1033, 28.9987**, and if you desaturate by 10%, it is **33.2153, 16.8587, 31.8581**.

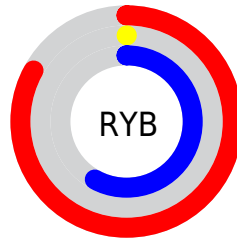
Distribution



Red (83%)

Green (0%)

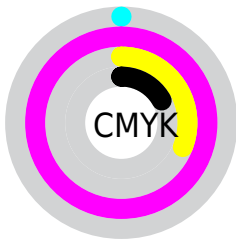
Blue (58%)



Red (83%)

Yellow (0%)

Blue (58%)

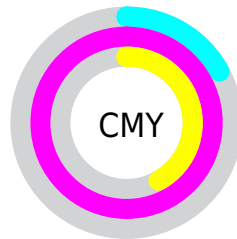


Cyan (0%)

Magenta (100%)

Yellow (31%)

Black (17%)



Cyan (17%)

Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4178, 16.1036, 29.0035 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 32.4178, 16.1036, 29.0035 by changing the saturation by 10% instead.

 32.4178, 16.1036,
29.0035


 32.4178, 16.1036,
29.0035


304.7297,
229.9523, 311.2929


 21.8379, 9.5975,
18.8379


 62.8263, 36.7780,
59.1249


 13.8538, 5.1329,
11.3776


 83.3856, 51.7150,
79.9177


 8.1001, 2.3255,
6.2040


 108.0021, 70.2312,
105.0901

 4.2114, 0.7871,
2.8987

 137.0411, 92.7108,
135.0604

 1.8224, 0.0000,
1.0432

 170.8680,
119.5384, 170.2474

 0.5311, 0.0000,
0.0000

 209.8482,

 0.0000, 0.0000,

151.0982, 211.0694

0.0000

254.3469,
187.7747, 257.9451

■ 32.4178, 16.1036,
29.0035

■ 32.4178, 16.1036,
29.0035

■ 32.4170, 16.1033,
28.9987

■ 33.2153, 16.8587,
31.8581

■ 34.3404, 18.2224,
34.9663

■ 35.8937, 20.3949,
38.3640

■ 37.9305, 23.4860,
42.0718

■ 40.4974, 27.5883,
46.1073

■ 43.6353, 32.7830,
50.4864

■ 47.3811, 39.1431,
55.2232

■ 51.7684, 46.7352,
60.3310

■ 56.8282, 55.6208,
65.8221

Harmonies

Analogous

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



27.0896, 16.1036, 60.7847



32.4178, 16.1036, 29.0035



32.3006, 16.1036, 9.0754

Triad

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



32.4178, 16.1036, 29.0035



11.9637, 16.1036, 0.3027



7.6795, 16.1036, 62.0684

Complementary

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



32.4178, 16.1036, 29.0035



24.4992, 47.4693, 12.8781

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.



5.6495, 16.1036, 30.0799



32.4178, 16.1036, 29.0035



7.5575, 16.1036, 2.0195

Square

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



32.4178, 16.1036, 29.0035



18.9118, 16.1036, 0.2732



5.6130, 16.1036, 9.5743



12.1904, 16.1036, 87.7602

Rectangle

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



32.4178, 16.1036, 29.0035



29.0884, 16.1036, 3.3002



5.6130, 16.1036, 9.5743



6.7545, 16.1036, 50.9422

Sweetspot

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



32.4183, 16.1045, 29.0038



71.7604, 59.1003, 83.6276



13.9743, 5.8318, 62.6765



14.8189, 11.7268, 17.2308



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.



32.4183, 16.1045, 29.0038



49.1561, 24.4264, 43.6157



27.5775, 14.1682, 3.5124



12.7833, 12.5648, 14.7992



20.0592, 9.9600, 18.1477



1.2461, 0.6152, 1.2851

Inverse Universe

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



32.4183, 16.1045, 29.0038



49.1561, 24.4264, 43.6157



30.7626, 49.9747, 45.8607



12.7833, 12.5648, 14.7992



20.0592, 9.9600, 18.1477



1.2461, 0.6152, 1.2851

Previews

White Background



This preview shows how the XYZ color 32.4178, 16.1036, 29.0035 looks on a white background.

Color Contrast Check

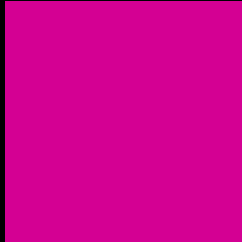
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4178, 16.1036, 29.0035 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 32.4178, 16.1036, 29.0035

Background



This preview shows how black text looks on a background with the XYZ color 32.4178, 16.1036, 29.0035.



This preview shows how white text looks on a background with the XYZ color 32.4178, 16.1036,

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

32.4178, 16.1036, 29.0035

Protanopia

19.3672, 17.0788, 63.2485

Deuteranopia

17.0098, 16.6857, 25.9911



Tritanopia

27.8090, 16.4848, 6.1311

Trichromacy



Original Color

32.4178, 16.1036, 29.0035



Protanomaly

18.5590, 11.8762, 48.3279



Deuteranomaly

19.4554, 12.8191, 26.6482



Tritanomaly

28.6058, 15.5057, 11.6104

Monochromacy



Original Color

32.4178, 16.1036, 29.0035



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5846, 7.9563, 13.9691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4178, 16.1036, 29.0035 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(212, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 147)  
}
```

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(212, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.4178, 16.1036, 29.0035 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(212, 0, 147) }
```


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

```
.border{ border-color:rgb(212, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4178, 16.1036, 29.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 147) }
```

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

```
.background{ background-color: rgb(212, 0,  
147) }
```

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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