

Converting Colors

XYZ(32.1899, 16.2611, 16.5695)

Have a look what the booklet for
XYZ(32.1899, 16.2611, 16.5695)
contains.

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Color

**XYZ(32.0827, 16.2078,
16.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	DB006F
RGB	219, 0, 111
RGB Percent	86%, 0%, 44%
CMY	0.1412, 0.9998, 0.5647
CMYK	0.00, 1.00, 0.49, 0.14
HSL	330°, 100%, 43%
HSV	330°, 100%, 86%
XYZ	32.0827, 16.2078, 16.4764
YIQ	78.1350, 94.8930, 80.9490

Conversions

Conversions Part 2

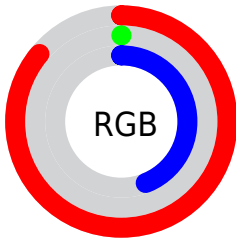
Format	Color
R_{YB}	219, 0, 111
Decimal	14352495
CIE _{Lab}	47.25, 75.52, 2.47
CIE _{LCh}	47, 75.563, 1.871
Yxy	16.2078, 0.4954, 0.2502
Android (android.graphics.Color)	4292542575 (0xFFDB006F)
YUV	78.1350, 16.2024, 123.5386
Hunter-Lab	40.2589, 71.7952, 3.9162

Details

The XYZ color **32.0827, 16.2078, 16.4764** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.0413, 51.7469, 22.7106**, and the grayscale version is **7.2297, 7.6062, 8.2831**.

A 20% lighter version of the original color is **51.5027, 31.3508, 37.5192**, and **14.8300, 7.5383, 5.5239** is the 20% darker color. If you saturate the color by 10%, you get **32.0813, 16.2072, 16.4697**, and if you desaturate by 10%, it is **32.9999, 17.0321, 19.8965**.

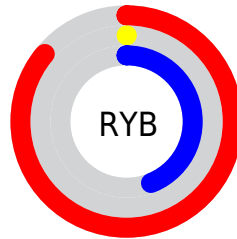
Distribution



Red (86%)

Green (0%)

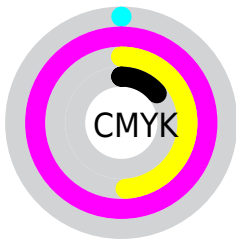
Blue (44%)



Red (86%)

Yellow (0%)

Blue (44%)

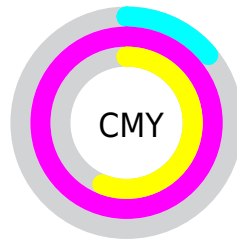


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0827, 16.2078, 16.4764 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 32.0827, 16.2078, 16.4764 by changing the saturation by 10% instead.


 32.0827, 16.2078,
16.4764


 32.0827, 16.2078,
16.4764


303.2344,
230.5648, 244.0776


 21.5805, 9.6713,
9.7039


 62.3050, 36.9586,
38.2015


 13.6639, 5.1816,
5.1000

 82.7559, 51.9417,
53.9913

 7.9674, 2.3542,
2.2463


 107.2537, 70.5091,
73.6238

 4.1257, 0.8022,
0.7009

 136.1638, 93.0452,
97.5177

 1.7735, 0.0000,
0.0000

 169.8516,
119.9344, 126.0915

 0.5016, 0.0000,
0.0000

 208.6824,

 0.0000, 0.0000,

151.5612, 159.7637

0.0000

253.0215,
188.3098, 198.9529

■ 32.0827, 16.2078,
16.4764

■ 32.0827, 16.2078,
16.4764

■ 32.0813, 16.2072,
16.4697

■ 32.9999, 17.0321,
19.8965

■ 34.3147, 18.5326,
23.8160

■ 36.1357, 20.9225,
28.2825

■ 38.5244, 24.3218,
33.3275

■ 41.5331, 28.8315,
38.9789

■ 45.2079, 34.5402,
45.2621

■ 49.5901, 41.5277,
52.2006

■ 54.7175, 49.8667,
59.8164

■ 60.6254, 59.6243,
68.1304

Harmonies

Analogous

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



29.6886, 16.2078, 41.2096



32.0827, 16.2078, 16.4764



29.0455, 16.2078, 4.4996

Triad

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



32.0827, 16.2078, 16.4764



9.5828, 16.2078, 1.2298



10.1205, 16.2078, 73.8010

Complementary

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



32.0827, 16.2078, 16.4764



28.0413, 51.7469, 22.7106

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.



6.8861, 16.2078, 44.9710



32.0827, 16.2078, 16.4764



6.6445, 16.2078, 5.3866

Square

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



32.0827, 16.2078, 16.4764



14.9905, 16.2078, 0.4150



5.8212, 16.2078, 18.8729



15.8271, 16.2078, 85.5732

Rectangle

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



32.0827, 16.2078, 16.4764



24.7451, 16.2078, 1.6613



5.8212, 16.2078, 18.8729



8.7721, 16.2078, 65.0958

Sweetspot

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



32.0831, 16.2088, 16.4766



69.8191, 58.3237, 73.4049



18.7156, 8.1720, 67.6086



14.3569, 11.5420, 14.7979



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.



32.0831, 16.2088, 16.4766



45.2171, 22.8508, 22.8730



29.2341, 15.0692, 1.4740



13.3300, 13.1611, 14.9989



19.0782, 9.6323, 10.0579



1.2795, 0.6414, 0.8807

Inverse Universe

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



32.0831, 16.2088, 16.4766



45.2171, 22.8508, 22.8730



37.6429, 55.5876, 73.2719



13.3300, 13.1611, 14.9989



19.0782, 9.6323, 10.0579



1.2795, 0.6414, 0.8807

Previews

White Background



This preview shows how the XYZ color 32.0827, 16.2078, 16.4764 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 32.0827, 16.2078, 16.4764 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 32.0827, 16.2078, 16.4764

Background



This preview shows how black text looks on a background with the XYZ color 32.0827, 16.2078, 16.4764.



This preview shows how white text looks on a background with the XYZ color 32.0827, 16.2078,

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

32.0827, 16.2078, 16.4764

Protanopia

17.2849, 16.7791, 35.5854

Deuteranopia

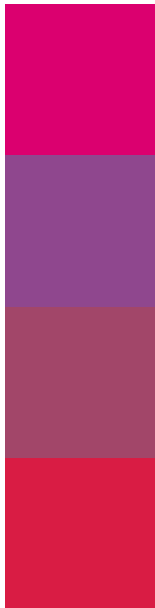
17.0275, 16.7783, 14.9115



Tritanopia

29.6742, 16.5821, 4.0195

Trichromacy



Original Color

32.0827, 16.2078, 16.4764

Protanomaly

18.4634, 12.2991, 26.9920

Deuteranomaly

19.6403, 13.0816, 14.8545

Tritanomaly

30.0739, 15.9996, 6.9720

Monochromacy



Original Color

32.0827, 16.2078, 16.4764

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.0393, 7.6865, 10.5220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0827, 16.2078, 16.4764 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(219, 0, 111)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 111)  
}
```

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(219, 0, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 111) }
```

Border

The CSS property to change the border of an element to XYZ 32.0827, 16.2078, 16.4764 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(219, 0, 111) }
```


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

```
.border{ border-color:rgb(219, 0, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0827, 16.2078, 16.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 111) }
```

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

```
.background{ background-color: rgb(219, 0,  
111) }
```

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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