

Converting Colors

XYZ(32.5803, 16.4173, 18.6256)

Have a look what the booklet for
XYZ(32.5803, 16.4173, 18.6256)
contains.

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Color

**XYZ(32.4834, 16.3681,
18.5868)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0076
RGB	219, 0, 118
RGB Percent	86%, 0%, 46%
CMY	0.1412, 0.9998, 0.5373
CMYK	0.00, 1.00, 0.46, 0.14
HSL	328°, 100%, 43%
HSV	328°, 100%, 86%
XYZ	32.4834, 16.3681, 18.5868
YIQ	78.9330, 92.6460, 83.1260

Conversions

Conversions Part 2

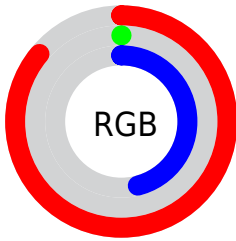
Format	Color
R_{YB}	219, 0, 118
Decimal	14352502
CIE Lab	47.45, 76.07, -1.54
CIE LCh	47, 76.086, 358.838
Yxy	16.3681, 0.4817, 0.2427
Android (android.graphics.Color)	4292542582 (0xFFDB0076)
YUV	78.9330, 19.2600, 122.8388
Hunter-Lab	40.4575, 72.5173, 1.0815

Details

The XYZ color **32.4834, 16.3681, 18.5868** 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 **27.6833, 51.6037, 20.8256**, and the grayscale version is **7.3759, 7.7601, 8.4507**.

A 20% lighter version of the original color is **52.3228, 31.8166, 41.4137**, and **15.0101, 7.6103, 6.4722** is the 20% darker color. If you saturate the color by 10%, you get **32.4820, 16.3675, 18.5799**, and if you desaturate by 10%, it is **33.4022, 17.1931, 22.0155**.

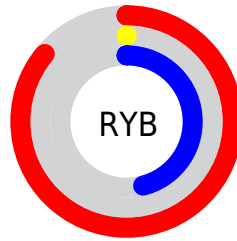
Distribution



Red (86%)

Green (0%)

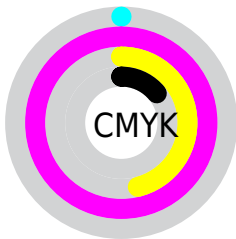
Blue (46%)



Red (86%)

Yellow (0%)

Blue (46%)

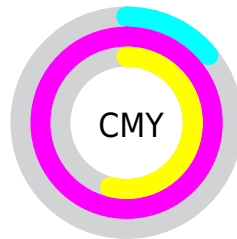


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4834, 16.3681, 18.5868 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 32.4834, 16.3681, 18.5868 by changing the saturation by 10% instead.


 32.4834, 16.3681,
18.5868


 32.4834, 16.3681,
18.5868


305.0218,
231.5041, 256.5043

 21.8883, 9.7850,
11.1983


 62.9282, 37.2361,
41.8621


 13.8910, 5.2566,
6.0845


 83.5087, 52.2897,
58.5859


 8.1261, 2.3986,
2.8269


 108.1484, 70.9357,
79.2587

 4.2282, 0.8252,
1.0070

 137.2126, 93.5584,
104.2988

 1.8320, 0.0000,
0.0000

 171.0666,
120.5422, 134.1249

 0.5369, 0.0000,
0.0000

 210.0760,

 0.0000, 0.0000,

152.2715, 169.1555

0.0000

254.6059,
189.1306, 209.8091

■ 32.4834, 16.3681,
18.5868

■ 32.4834, 16.3681,
18.5868

■ 32.4820, 16.3675,
18.5799

■ 33.4022, 17.1931,
22.0155

■ 34.7106, 18.6910,
25.9007

■ 36.5164, 21.0749,
30.2877

■ 38.8810, 24.4646,
35.2055

■ 41.8562, 28.9608,
40.6798

■ 45.4875, 34.6523,
46.7341

■ 49.8160, 41.6184,
53.3898

■ 54.8792, 49.9316,
60.6672

■ 60.7119, 59.6592,
68.5850

Harmonies

Analogous

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



29.5221, 16.3681, 44.8184



32.4834, 16.3681, 18.5868



29.9275, 16.3681, 5.2305

Triad

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



32.4834, 16.3681, 18.5868



10.0977, 16.3681, 1.0635



9.7596, 16.3681, 72.3329

Complementary

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



32.4834, 16.3681, 18.5868



27.6833, 51.6037, 20.8256

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.



6.7304, 16.3681, 42.4463



32.4834, 16.3681, 18.5868



6.8821, 16.3681, 4.6747

Square

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



32.4834, 16.3681, 18.5868



15.8222, 16.3681, 0.4017



5.8521, 16.3681, 17.0786



15.2956, 16.3681, 86.8394

Rectangle

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



32.4834, 16.3681, 18.5868



25.7633, 16.3681, 1.9272



5.8521, 16.3681, 17.0786



8.4809, 16.3681, 63.0315

Sweetspot

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



32.4838, 16.3691, 18.5870



70.1401, 58.4522, 75.0956



17.8861, 7.7444, 67.5697



14.4328, 11.5724, 15.1980



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.



32.4838, 16.3691, 18.5870



45.7821, 23.0768, 25.8483



29.2742, 15.0852, 1.6853



13.3479, 13.1682, 15.0931



19.3163, 9.7276, 11.3116



1.2947, 0.6475, 0.9611

Inverse Universe

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



32.4838, 16.3691, 18.5870



45.7821, 23.0768, 25.8483



36.7236, 55.2198, 68.4310



13.3479, 13.1682, 15.0931



19.3163, 9.7276, 11.3116



1.2947, 0.6475, 0.9611

Previews

White Background



This preview shows how the XYZ color 32.4834, 16.3681, 18.5868 looks on a white background.

Color Contrast Check

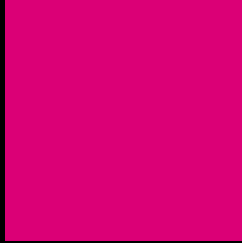
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4834, 16.3681, 18.5868 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 32.4834, 16.3681, 18.5868

Background



This preview shows how black text looks on a background with the XYZ color 32.4834, 16.3681, 18.5868.



This preview shows how white text looks on a background with the XYZ color 32.4834, 16.3681,

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

32.4834, 16.3681, 18.5868

Protanopia

17.8801, 17.1454, 40.3972

Deuteranopia

17.3468, 17.0622, 16.8471



Tritanopia

29.5539, 16.6853, 4.3523

Trichromacy



Original Color

32.4834, 16.3681, 18.5868



Protanomaly

18.7185, 12.4445, 30.6936



Deuteranomaly

19.8758, 13.2534, 16.8398



Tritanomaly

29.9858, 16.0085, 7.8129

Monochromacy



Original Color

32.4834, 16.3681, 18.5868



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3223, 7.8173, 11.2154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4834, 16.3681, 18.5868 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 32.4834, 16.3681, 18.5868 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, 118) }
```


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

```
.border{ border-color:rgb(219, 0, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4834, 16.3681, 18.5868 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, 118) }
```

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

```
.background{ background-color: rgb(219, 0,  
118) }
```

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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