

Converting Colors

XYZ(32.6216, 16.4338, 18.8430)

Have a look what the booklet for
XYZ(32.6216, 16.4338, 18.8430)
contains.

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Color

**XYZ(32.5432, 16.3920,
18.9015)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0077
RGB	219, 0, 119
RGB Percent	86%, 0%, 47%
CMY	0.1412, 0.9998, 0.5333
CMYK	0.00, 1.00, 0.46, 0.14
HSL	327°, 100%, 43%
HSV	327°, 100%, 86%
XYZ	32.5432, 16.3920, 18.9015
YIQ	79.0470, 92.3250, 83.4370

Conversions

Conversions Part 2

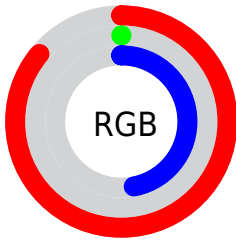
Format	Color
R_{YB}	219, 0, 119
Decimal	14352503
CIE _{Lab}	47.48, 76.15, -2.11
CIE _{LCh}	47, 76.181, 358.411
Yxy	16.3920, 0.4797, 0.2416
Android (android.graphics.Color)	4292542583 (0xFFDB0077)
YUV	79.0470, 19.6968, 122.7388
Hunter-Lab	40.4870, 72.6248, 0.6612

Details

The XYZ color **32.5432, 16.3920, 18.9015** 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 **27.6345, 51.5842, 20.5686**, and the grayscale version is **7.3968, 7.7820, 8.4746**.

A 20% lighter version of the original color is **52.4178, 31.8546, 41.9139**, and **15.0420, 7.6230, 6.6398** is the 20% darker color. If you saturate the color by 10%, you get **32.5419, 16.3914, 18.8948**, and if you desaturate by 10%, it is **33.4618, 17.2169, 22.3292**.

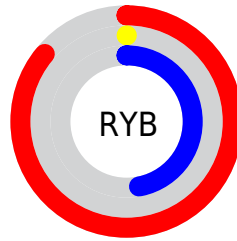
Distribution



Red (86%)

Green (0%)

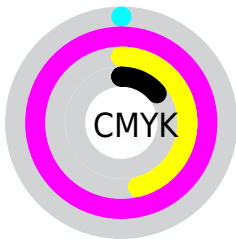
Blue (47%)



Red (86%)

Yellow (0%)

Blue (47%)

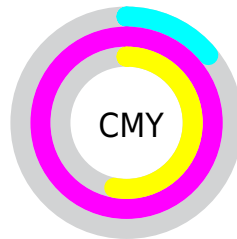


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5432, 16.3920, 18.9015 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 32.5432, 16.3920, 18.9015 by changing the saturation by 10% instead.


 32.5432, 16.3920,
18.9015


 32.5432, 16.3920,
18.9015


305.2878,
231.6438, 258.3090


 21.9343, 9.8020,
11.4230


 63.0212, 37.2774,
42.4021


 13.9250, 5.2679,
6.2344


 83.6209, 52.3416,
59.2613


 8.1498, 2.4053,
2.9170


 108.2817, 70.9992,
80.0844

 4.2436, 0.8286,
1.0524

 137.3688, 93.6348,
105.2901

 1.8408, 0.0000,
0.0000

 171.2476,
120.6326, 135.2969

 0.5421, 0.0000,
0.0000

 210.2835,

 0.0000, 0.0000,

152.3772, 170.5233

0.0000

254.8418,
189.2528, 211.3878

■ 32.5432, 16.3920,
18.9015

■ 32.5432, 16.3920,
18.9015

■ 32.5419, 16.3914,
18.8948

■ 33.4618, 17.2169,
22.3292

■ 34.7689, 18.7142,
26.2075

■ 36.5721, 21.0971,
30.5811

■ 38.9329, 24.4851,
35.4789

■ 41.9029, 28.9793,
40.9264

■ 45.5277, 34.6681,
46.9466

■ 49.8483, 41.6309,
53.5609

■ 54.9021, 49.9404,
60.7890

■ 60.7239, 59.6635,
68.6497

Harmonies

Analogous

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



29.5009, 16.3920, 45.3510



32.5432, 16.3920, 18.9015



30.0566, 16.3920, 5.3404

Triad

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



32.5432, 16.3920, 18.9015



10.1727, 16.3920, 1.0412



9.7096, 16.3920, 72.1328

Complementary

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



32.5432, 16.3920, 18.9015



27.6345, 51.5842, 20.5686

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.



6.7087, 16.3920, 42.0993



32.5432, 16.3920, 18.9015



6.9166, 16.3920, 4.5791

Square

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



32.5432, 16.3920, 18.9015



15.9437, 16.3920, 0.3998



5.8567, 16.3920, 16.8346



15.2221, 16.3920, 87.0285

Rectangle

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



32.5432, 16.3920, 18.9015



25.9120, 16.3920, 1.9670



5.8567, 16.3920, 16.8346



8.4405, 16.3920, 62.7477

Sweetspot

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



32.5436, 16.3930, 18.9018



70.1864, 58.4707, 75.3394



17.8860, 7.7443, 67.5698



14.4438, 11.5768, 15.2557



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.



32.5436, 16.3930, 18.9018



45.8664, 23.1106, 26.2925



29.2742, 15.0852, 1.6852



13.3504, 13.1693, 15.1066



19.3518, 9.7418, 11.4984



1.2970, 0.6484, 0.9729

Inverse Universe

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



32.5436, 16.3930, 18.9018



45.8664, 23.1106, 26.2925



36.7236, 55.2199, 68.4311



13.3504, 13.1693, 15.1066



19.3518, 9.7418, 11.4984



1.2970, 0.6484, 0.9729

Previews

White Background



This preview shows how the XYZ color 32.5432, 16.3920, 18.9015 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 32.5432, 16.3920, 18.9015 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 32.5432, 16.3920, 18.9015

Background



This preview shows how black text looks on a background with the XYZ color 32.5432, 16.3920, 18.9015.



This preview shows how white text looks on a background with the XYZ color 32.5432, 16.3920,

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

32.5432, 16.3920, 18.9015

Protanopia

17.9751, 17.1834, 40.8974

Deuteranopia

17.2513, 17.0067, 17.1252



Tritanopia

29.5743, 16.6935, 4.4597

Trichromacy



Original Color

32.5432, 16.3920, 18.9015



Protanomaly

18.8001, 12.4772, 31.1232



Deuteranomaly

19.7311, 13.1723, 17.1254



Tritanomaly

30.0192, 16.0219, 7.9889

Monochromacy



Original Color

32.5432, 16.3920, 18.9015



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3669, 7.8352, 11.4502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5432, 16.3920, 18.9015 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 119) }
```

Border

The CSS property to change the border of an element to XYZ 32.5432, 16.3920, 18.9015 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, 119) }
```


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

```
.border{ border-color:rgb(219, 0, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5432, 16.3920, 18.9015 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, 119) }
```

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

```
.background{ background-color: rgb(219, 0,  
119) }
```

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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