

Converting Colors

XYZ(33.5168, 18.5795, 18.4837)

Have a look what the booklet for
XYZ(33.5168, 18.5795, 18.4837)
contains.

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Color

**XYZ(33.5064, 18.6022,
18.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3274
RGB	219, 50, 116
RGB Percent	86%, 20%, 45%
CMY	0.1412, 0.8039, 0.5451
CMYK	0.00, 0.77, 0.47, 0.14
HSL	337°, 70%, 53%
HSV	337°, 77%, 86%
XYZ	33.5064, 18.6022, 18.3476
YIQ	108.0550, 79.5380, 56.3540

Conversions

Conversions Part 2

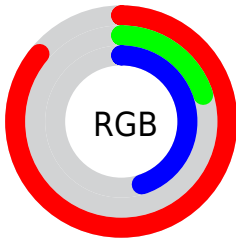
Format	Color
RYB	219, 50, 116
Decimal	14365300
CIELab	50.22, 67.79, 3.70
CIElCh	50, 67.886, 3.126
Yxy	18.6022, 0.4756, 0.2640
Android (android.graphics.Color)	4292555380 (0xFFDB3274)
YUV	108.0550, 3.9169, 97.2988
Hunter-Lab	43.1303, 63.1925, 4.9692

Details

The XYZ color **33.5064, 18.6022, 18.3476** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **32.3982, 53.6416, 38.7884**, and the grayscale version is **14.2445, 14.9863, 16.3201**.

A 20% lighter version of the original color is **54.1021, 35.6755, 41.0804**, and **15.1439, 7.6865, 6.1543** is the 20% darker color. If you saturate the color by 10%, you get **32.0620, 16.8682, 14.3066**, and if you desaturate by 10%, it is **35.5107, 21.2777, 23.1260**.

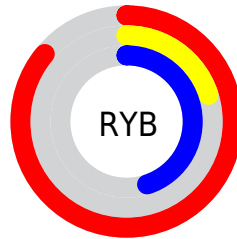
Distribution



Red (86%)

Green (20%)

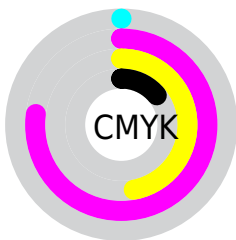
Blue (45%)



Red (86%)

Yellow (20%)

Blue (45%)

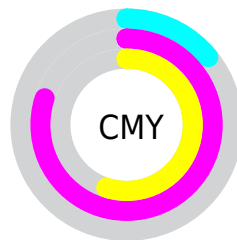


Cyan (0%)

Magenta (77%)

Yellow (47%)

Black (14%)



Cyan (14%)


Magenta (80%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5064, 18.6022, 18.3476 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 33.5064, 18.6022, 18.3476 by changing the saturation by 10% instead.


 33.5064, 18.6022,
18.3476


 33.5064, 18.6022,
18.3476


309.5503,
244.2438, 255.1246


 22.6758, 11.3832,
11.0278


 64.5147, 41.0608,
41.4506


 14.4736, 6.3252,
5.9711


 85.4231, 57.0692,
58.0710


 8.5347, 3.0438,
2.7590


 110.4215, 76.7762,
78.6286

 4.4936, 1.1546,
0.9730

 139.8752,
100.5662, 103.5420

 1.9850, 0.0242,
0.0000

 174.1496,
128.8235, 133.2298

 0.6255, 0.0000,
0.0000

213.6100,

 0.0000, 0.0000,

161.9327, 168.1105

0.0000

258.6217,
200.2779, 208.6026

■ 33.5064, 18.6022,
18.3476

■ 33.5064, 18.6022,
18.3476

■ 32.0620, 16.8682,
14.3066

■ 35.5107, 21.2777,
23.1260

■ 31.0967, 15.9213,
10.9524

■ 38.1344, 25.0061,
28.6831

■ 30.8737, 15.7242,
10.1103

■ 41.4302, 29.8864,
35.0576

■ 45.4447, 36.0053,
42.2845

■ 50.2201, 43.4410,
50.3969

■ 55.7952, 52.2653,
59.4257

■ 62.2060, 62.5447,
69.4001

■ 69.4865, 74.3415,
80.3481

■ 77.6683, 87.7141,
92.2964

Harmonies

Analogous

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



31.4905, 18.6022, 41.3700



33.5064, 18.6022, 18.3476



30.4905, 18.6022, 6.2308

Triad

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



33.5064, 18.6022, 18.3476



11.6438, 18.6022, 2.5628



12.5692, 18.6022, 72.5994

Complementary

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



33.5064, 18.6022, 18.3476



32.3982, 53.6416, 38.7884

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.



9.0802, 18.6022, 47.1103



33.5064, 18.6022, 18.3476



8.6461, 18.6022, 7.9189

Square

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



33.5064, 18.6022, 18.3476



17.0018, 18.6022, 1.3583



7.8386, 18.6022, 22.2894



18.3777, 18.6022, 81.9907

Rectangle

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



33.5064, 18.6022, 18.3476



26.3829, 18.6022, 2.9198



7.8386, 18.6022, 22.2894



11.1396, 18.6022, 65.0856

Sweetspot

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



33.5069, 18.6033, 18.3479



73.8784, 66.0257, 76.0425



26.7651, 14.0148, 68.3121



15.2249, 13.2054, 15.3115



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.



33.5069, 18.6033, 18.3479



44.2932, 22.8235, 16.9529



31.7912, 19.2942, 5.0676



13.2655, 13.1353, 14.6594



18.3568, 9.3437, 6.2587



1.2308, 0.6219, 0.6242

Inverse Universe

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



33.5069, 18.6033, 18.3479



44.2932, 22.8235, 16.9529



35.2464, 48.0814, 74.4406



13.2655, 13.1353, 14.6594



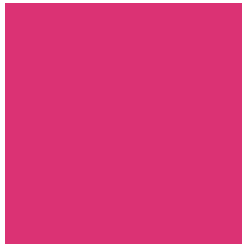
18.3568, 9.3437, 6.2587



1.2308, 0.6219, 0.6242

Previews

White Background



This preview shows how the XYZ color 33.5064, 18.6022, 18.3476 looks on a white background.

Color Contrast Check

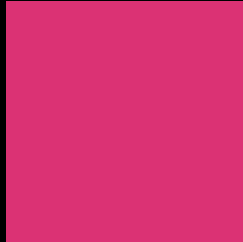
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5064, 18.6022, 18.3476 looks on a black 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

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

XYZ 33.5064, 18.6022, 18.3476

Background



This preview shows how black text looks on a background with the XYZ color 33.5064, 18.6022, 18.3476.



This preview shows how white text looks on a background with the XYZ color 33.5064, 18.6022,

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

33.5064, 18.6022, 18.3476

Protanopia

19.0688, 18.9397, 33.6610

Deuteranopia

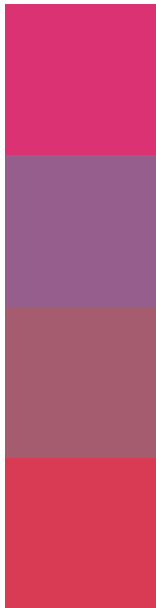
19.1055, 18.8077, 16.8106



Tritanopia

31.0798, 18.5473, 7.0962

Trichromacy



Original Color

33.5064, 18.6022, 18.3476

Protanomaly

21.3881, 16.4125, 27.2400

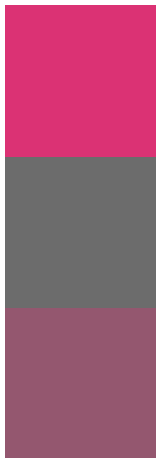
Deuteranomaly

22.4223, 16.9090, 17.1209

Tritanomaly

31.7286, 18.4179, 10.2702

Monochromacy



Original Color

33.5064, 18.6022, 18.3476

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.4902, 14.2600, 16.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5064, 18.6022, 18.3476 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, 50, 116)` looks like.

```
.text, #text, p{  
    color:rgb(219, 50, 116)  
}
```

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, 50, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 50, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.5064, 18.6022, 18.3476 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, 50, 116) }
```


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

```
.border{ border-color:rgb(219, 50, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 50, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 50, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 50, 116);  
box-shadow:4px 4px 4px 4px rgb(219, 50,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5064, 18.6022, 18.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 50, 116) }
```

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

```
.background{ background-color: rgb(219, 50,  
116) }
```

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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