

Converting Colors

XYZ(33.4165, 18.0941, 23.7318)

Have a look what the booklet for
XYZ(33.4165, 18.0941, 23.7318)
contains.

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Color

**XYZ(33.3844, 18.0662,
23.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	D82C84
RGB	216, 44, 132
RGB Percent	85%, 17%, 52%
CMY	0.1529, 0.8274, 0.4824
CMYK	0.00, 0.80, 0.39, 0.15
HSL	329°, 69%, 51%
HSV	329°, 80%, 85%
XYZ	33.3844, 18.0662, 23.5574
YIQ	105.4600, 74.2640, 63.8320

Conversions

Conversions Part 2

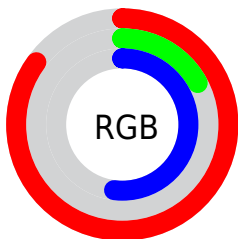
Format	Color
R_{YB}	216, 44, 132
Decimal	14167172
CIE _{Lab}	49.58, 70.12, -7.00
CIE _{LCh}	50, 70.473, 354.297
Yxy	18.0662, 0.4451, 0.2409
Android (android.graphics.Color)	4292357252 (0xFFD82C84)
YUV	105.4600, 13.0842, 96.9436
Hunter-Lab	42.5044, 65.8175, -3.1075

Details

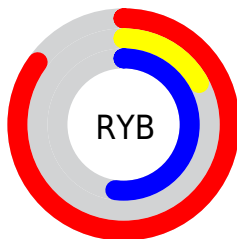
The XYZ color **33.3844, 18.0662, 23.5574** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.4922, 51.2063, 28.7558**, and the grayscale version is **13.5051, 14.2084, 15.4730**.

A 20% lighter version of the original color is **55.3595, 35.4879, 49.8310**, and **15.2716, 7.6925, 8.8635** is the 20% darker color. If you saturate the color by 10%, you get **32.0926, 16.5802, 19.7433**, and if you desaturate by 10%, it is **35.1684, 20.4198, 27.8961**.

Distribution



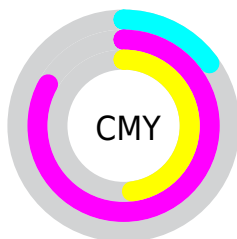
- Red (85%)
- Green (17%)
- Blue (52%)



- Red (85%)
- Yellow (17%)
- Blue (52%)



- Cyan (0%)
- Magenta (80%)
- Yellow (39%)
- Black (15%)





- Cyan (15%)
- Magenta (83%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3844, 18.0662, 23.5574 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 33.3844, 18.0662, 23.5574 by changing the saturation by 10% instead.


 33.3844, 18.0662,
23.5574


 33.3844, 18.0662,
23.5574


309.0128,
241.2439, 283.7893


 22.5817, 10.9975,
14.7965


 64.3259, 40.1501,
50.2417

 14.4040, 6.0652,
8.5316

 85.1954, 55.9341,
69.0022


 8.4857, 2.8848,
4.3444


 110.1512, 75.3920,
91.9329

 4.4617, 1.0719,
1.8161

 139.5588, 98.9082,
119.4524

 1.9665, 0.0000,
0.4385

 173.7833,
126.8671, 151.9793

 0.6150, 0.0000,
0.0000

213.1903,

 0.0000, 0.0000,

159.6531, 189.9320

0.0000

258.1450,
197.6506, 233.7292

■ 33.3844, 18.0662,
23.5574

■ 33.3844, 18.0662,
23.5574

■ 32.0926, 16.5802,
19.7433

■ 35.1684, 20.4198,
27.8961

■ 31.1915, 15.7621,
16.4089

■ 37.5023, 23.7531,
32.7883

■ 31.1609, 15.7357,
16.2911

■ 40.4368, 28.1640,
38.2610

■ 44.0159, 33.7381,
44.3383

■ 48.2796, 40.5518,
51.0424

■ 53.2643, 48.6754,
58.3945

■ 59.0038, 58.1735,
66.4142

■ 65.5296, 69.1067,
75.1203

■ 72.8716, 81.5319,
84.5309

Harmonies

Analogous

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



29.8554, 18.0662, 49.8926



33.3844, 18.0662, 23.5574



31.7391, 18.0662, 8.0857

Triad

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



33.3844, 18.0662, 23.5574



12.4102, 18.0662, 1.5848



10.7137, 18.0662, 67.2112

Complementary

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



33.3844, 18.0662, 23.5574



29.4922, 51.2063, 28.7558

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.



7.9239, 18.0662, 39.0198



33.3844, 18.0662, 23.5574



8.7107, 18.0662, 5.0664

Square

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



33.3844, 18.0662, 23.5574



18.4796, 18.0662, 1.0775



7.2996, 18.0662, 16.2375



15.9264, 18.0662, 83.6670

Rectangle

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



33.3844, 18.0662, 23.5574



28.1020, 18.0662, 3.5421



7.2996, 18.0662, 16.2375



9.5216, 18.0662, 58.1649

Sweetspot

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



33.3849, 18.0672, 23.5577



74.0929, 65.1968, 79.9917



22.0691, 11.2830, 65.9803



15.3118, 13.0654, 16.3077



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.



33.3849, 18.0672, 23.5577



45.7548, 23.2431, 25.1585



29.7307, 16.6055, 4.3148



12.6858, 12.5258, 14.2855



18.4989, 9.3359, 9.9310



1.1575, 0.5798, 0.8190

Inverse Universe

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



33.3849, 18.0672, 23.5577



45.7548, 23.2431, 25.1585



37.6223, 54.4583, 71.5682



12.6858, 12.5258, 14.2855



18.4989, 9.3359, 9.9310



1.1575, 0.5798, 0.8190

Previews

White Background



This preview shows how the XYZ color 33.3844, 18.0662, 23.5574 looks on a white background.

Color Contrast Check

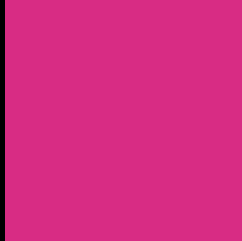
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3844, 18.0662, 23.5574 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 33.3844, 18.0662, 23.5574

Background



This preview shows how black text looks on a background with the XYZ color 33.3844, 18.0662, 23.5574.



This preview shows how white text looks on a background with the XYZ color 33.3844, 18.0662,

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

33.3844, 18.0662, 23.5574

Protanopia

19.4277, 18.5186, 45.1983

Deuteranopia

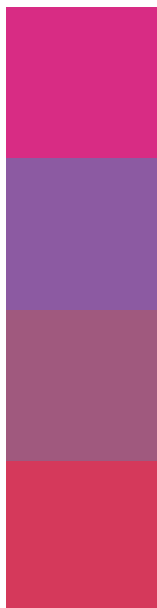
18.6080, 18.2807, 21.2867



Tritanopia

29.9979, 18.0691, 7.2168

Trichromacy



Original Color

33.3844, 18.0662, 23.5574

Protanomaly

20.9930, 15.4964, 36.0671

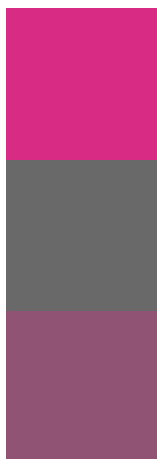
Deuteranomaly

21.8355, 16.1247, 21.7002

Tritanomaly

30.7920, 17.8277, 11.7157

Monochromacy



Original Color

33.3844, 18.0662, 23.5574

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.8648, 13.4441, 17.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3844, 18.0662, 23.5574 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(216, 44, 132)` looks like.

```
.text, #text, p{  
    color:rgb(216, 44, 132)  
}
```

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(216, 44, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 44, 132) }
```

Border

The CSS property to change the border of an element to XYZ 33.3844, 18.0662, 23.5574 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(216, 44, 132) }
```


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

```
.border{ border-color:rgb(216, 44, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 44, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 44, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 44, 132);  
box-shadow:4px 4px 4px 4px rgb(216, 44,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3844, 18.0662, 23.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 44, 132) }
```

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

```
.background{ background-color: rgb(216, 44,  
132) }
```

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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