

Converting Colors

XYZ(35.9148, 18.8349, 31.8313)

Have a look what the booklet for
XYZ(35.9148, 18.8349, 31.8313)
contains.

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Color

**XYZ(35.9265, 18.8387,
31.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	DC2599
RGB	220, 37, 153
RGB Percent	86%, 15%, 60%
CMY	0.1373, 0.8548, 0.4000
CMYK	0.00, 0.83, 0.30, 0.14
HSL	322°, 72%, 50%
HSV	322°, 83%, 86%
XYZ	35.9265, 18.8387, 31.8797
YIQ	104.9410, 71.8320, 74.8720

Conversions

Conversions Part 2

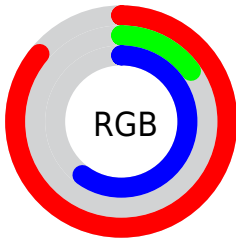
Format	Color
R_{YB}	220, 37, 153
Decimal	14427545
CIE _{Lab}	50.50, 74.89, -18.15
CIE _{LCh}	50, 77.057, 346.374
Yxy	18.8387, 0.4146, 0.2174
Android (android.graphics.Color)	4292617625 (0xFFDC2599)
YUV	104.9410, 23.6931, 100.9067
Hunter-Lab	43.4036, 71.7938, -13.1657

Details

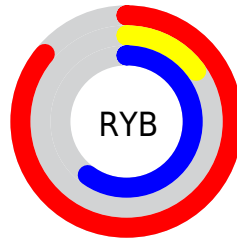
The XYZ color **35.9265, 18.8387, 31.8797** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **28.8562, 52.5798, 21.7290**, and the grayscale version is **13.3378, 14.0324, 15.2813**.

A 20% lighter version of the original color is **57.6565, 36.0731, 62.9554**, and **16.8955, 8.4329, 13.3076** is the 20% darker color. If you saturate the color by 10%, you get **34.7929, 17.6004, 28.3293**, and if you desaturate by 10%, it is **37.5179, 20.9204, 35.8046**.

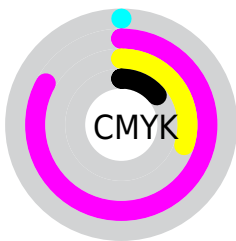
Distribution



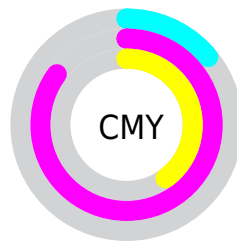
- Red (86%)
- Green (15%)
- Blue (60%)



- Red (86%)
- Yellow (15%)
- Blue (60%)



- Cyan (0%)
- Magenta (83%)
- Yellow (30%)
- Black (14%)





- Cyan (14%)
- Magenta (85%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9265, 18.8387, 31.8797 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 35.9265, 18.8387, 31.8797 by changing the saturation by 10% instead.

 35.9265, 18.8387,
31.8797


 35.9265, 18.8387,
31.8797

320.0760,
245.5568, 325.0467

 24.5473, 11.5538,
21.0056


 68.2432, 41.4614,
63.7182


 15.8670, 6.4406,
12.9368


 89.9114, 57.5679,
85.5196


 9.5203, 3.1148,
7.2548


 115.7400, 77.3838,
111.8005

 5.1419, 1.1920,
3.5411

 146.0943,
101.2934, 142.9795

 2.3664, 0.0551,
1.3771

 181.3397,
129.6811, 179.4751

 0.8283, 0.0000,
0.1238

221.8416,

 0.0000, 0.0000,

162.9313, 221.7058

0.0000

267.9652,
201.4284, 270.0901

■ 35.9265, 18.8387,
31.8797

■ 35.9265, 18.8387,
31.8797

■ 34.7929, 17.6004,
28.3293

■ 37.5179, 20.9204,
35.8046

■ 34.2081, 17.0928,
26.0939

■ 39.6307, 23.9717,
40.1290

■ 42.3195, 28.1004,
44.8754

■ 45.6313, 33.3992,
50.0634

■ 49.6081, 39.9508,
55.7109

■ 54.2880, 47.8304,
61.8344

■ 59.7063, 57.1071,
68.4495

■ 65.8957, 67.8453,
75.5705

■ 72.8869, 80.1052,
83.2114

Harmonies

Analogous

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



30.5251, 18.8387, 64.3247



35.9265, 18.8387, 31.8797



35.6421, 18.8387, 10.9225

Triad

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



35.9265, 18.8387, 31.8797



14.1353, 18.8387, 0.9182



9.6758, 18.8387, 67.3762

Complementary

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



35.9265, 18.8387, 31.8797



28.8562, 52.5798, 21.7290

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.



7.3167, 18.8387, 34.5198



35.9265, 18.8387, 31.8797



9.3546, 18.8387, 3.1638

Square

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



35.9265, 18.8387, 31.8797



21.5278, 18.8387, 0.8514



7.2185, 18.8387, 12.2300



14.7144, 18.8387, 92.6766

Rectangle

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



35.9265, 18.8387, 31.8797



32.2316, 18.8387, 4.4620



7.2185, 18.8387, 12.2300



8.6134, 18.8387, 56.1151

Sweetspot

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



35.9271, 18.8397, 31.8800



74.4423, 64.4375, 84.6035



18.9540, 9.2617, 68.4988



15.4288, 12.9404, 17.4538



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.



35.9271, 18.8397, 31.8800



47.7289, 23.8555, 36.0999



31.1160, 16.9153, 6.5450



13.4016, 13.1897, 15.3759



20.1317, 10.0537, 15.6055



1.3451, 0.6677, 1.2265

Inverse Universe

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



35.9271, 18.8397, 31.8800



47.7289, 23.8555, 36.0999



35.9325, 55.4103, 58.9921



13.4016, 13.1897, 15.3759



20.1317, 10.0537, 15.6055



1.3451, 0.6677, 1.2265

Previews

White Background



This preview shows how the XYZ color 35.9265, 18.8387, 31.8797 looks on a white background.

Color Contrast Check

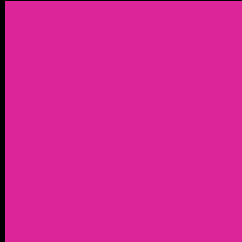
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9265, 18.8387, 31.8797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

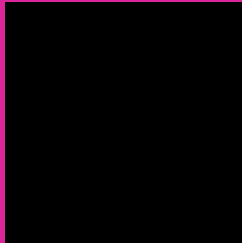
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.9265, 18.8387, 31.8797

Background



This preview shows how black text looks on a background with the XYZ color 35.9265, 18.8387, 31.8797.



This preview shows how white text looks on a background with the XYZ color 35.9265, 18.8387,

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

35.9265, 18.8387, 31.8797

Protanopia

21.4196, 19.3155, 63.5721

Deuteranopia

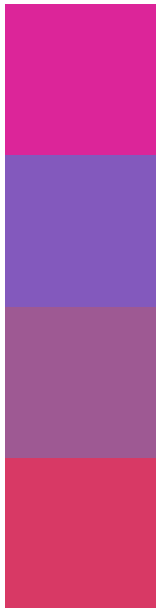
19.4624, 19.0776, 28.6432



Tritanopia

30.9360, 18.8853, 7.9760

Trichromacy



Original Color

35.9265, 18.8387, 31.8797

Protanomaly

22.1178, 15.6442, 49.9980

Deuteranomaly

22.9394, 16.5204, 29.5835

Tritanomaly

32.1310, 18.4648, 14.1825

Monochromacy



Original Color

35.9265, 18.8387, 31.8797

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.4141, 13.3455, 20.0178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9265, 18.8387, 31.8797 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(220, 37, 153)` looks like.

```
.text, #text, p{  
  color:rgb(220, 37, 153)  
}
```

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(220, 37, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 37, 153) }
```

Border

The CSS property to change the border of an element to XYZ 35.9265, 18.8387, 31.8797 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(220, 37, 153) }
```


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

```
.border{ border-color:rgb(220, 37, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 37, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 37, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 37, 153);  
box-shadow:4px 4px 4px 4px rgb(220, 37,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9265, 18.8387, 31.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 37, 153) }
```

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

```
.background{ background-color: rgb(220, 37,  
153) }
```

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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