

Converting Colors

XYZ(36.2402, 17.8812, 37.8982)

Have a look what the booklet for
XYZ(36.2402, 17.8812, 37.8982)
contains.

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Color

**XYZ(36.1885, 17.8501,
38.0973)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00A7
RGB	219, 0, 167
RGB Percent	86%, 0%, 65%
CMY	0.1412, 0.9998, 0.3451
CMYK	0.00, 1.00, 0.24, 0.14
HSL	314°, 100%, 43%
HSV	314°, 100%, 86%
XYZ	36.1885, 17.8501, 38.0973
YIQ	84.5190, 76.9170, 98.3650

Conversions

Conversions Part 2

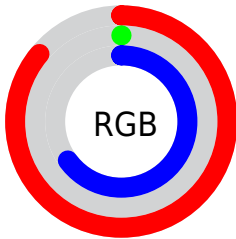
Format	Color
R_{YB}	219, 0, 167
Decimal	14352551
CIE _{Lab}	49.31, 80.87, -28.32
CIE _{LCh}	49, 85.685, 340.699
Yxy	17.8501, 0.3928, 0.1937
Android (android.graphics.Color)	4292542631 (0xFFDB00A7)
YUV	84.5190, 40.6631, 117.9398
Hunter-Lab	42.2494, 78.9569, -23.8887

Details

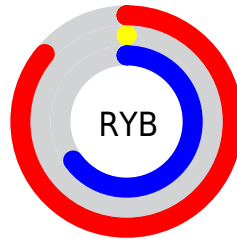
The XYZ color **36.1885, 17.8501, 38.0973** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.9529, 50.9119, 11.7127**, and the grayscale version is **8.4461, 8.8859, 9.6768**.

A 20% lighter version of the original color is **58.4275, 34.5393, 72.6945**, and **17.3926, 8.6087, 16.9646** is the 20% darker color. If you saturate the color by 10%, you get **36.1878, 17.8498, 38.0928**, and if you desaturate by 10%, it is **36.9651, 18.6180, 40.7765**.

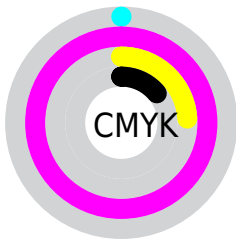
Distribution



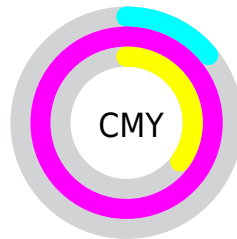
- Red (86%)
- Green (0%)
- Blue (65%)



- Red (86%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1885, 17.8501, 38.0973 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 36.1885, 17.8501, 38.0973 by changing the saturation by 10% instead.


 36.1885, 17.8501,
38.0973


 36.1885, 17.8501,
38.0973


321.2006,
240.0248, 353.3479


 24.7506, 10.8424,
25.7558

 68.6449, 39.7817,
73.4623


 16.0191, 5.9610,
16.4169


 90.3941, 55.4745,
97.3229


 9.6286, 2.8214,
9.6621


 116.3111, 74.8310,
125.8603

 5.2138, 1.0392,
5.0728

 146.7612, 98.2358,
159.4930

 2.4093, 0.0000,
2.2306

 182.1099,
126.0732, 198.6396

 0.8497, 0.0000,
0.6919

 222.7224,

 0.0000, 0.0000,

158.7275, 243.7186

0.0000

268.9642,
196.5832, 295.1485

■ 36.1885, 17.8501,
38.0973

■ 36.1885, 17.8501,
38.0973

■ 36.1878, 17.8498,
38.0928

■ 36.9651, 18.6180,
40.7765

■ 38.0843, 20.0400,
43.6664

■ 39.6526, 22.3287,
46.8035

■ 41.7299, 25.6031,
50.2089

■ 44.3663, 29.9636,
53.9003

■ 47.6060, 35.4981,
57.8936

■ 51.4887, 42.2855,
62.2028

■ 56.0506, 50.3979,
66.8411

■ 61.3250, 59.9018,
71.8206

Harmonies

Analogous

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



29.2051, 17.8501, 76.2062



36.1885, 17.8501, 38.0973



37.1942, 17.8501, 12.3080

Triad

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



36.1885, 17.8501, 38.0973



14.2495, 17.8501, 0.0579



7.7230, 17.8501, 65.0944

Complementary

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



36.1885, 17.8501, 38.0973



25.9529, 50.9119, 11.7127

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.



5.8426, 17.8501, 28.8905



36.1885, 17.8501, 38.0973



8.7366, 17.8501, 1.4724

Square

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



36.1885, 17.8501, 38.0973



22.6187, 17.8501, 0.2905



6.1431, 17.8501, 8.1503



12.3435, 17.8501, 98.5758

Rectangle

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



36.1885, 17.8501, 38.0973



34.0765, 17.8501, 4.4451



6.1431, 17.8501, 8.1503



6.8276, 17.8501, 52.0236

Sweetspot

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



36.1891, 17.8511, 38.0976



72.5216, 59.4048, 87.6363



14.1585, 5.8226, 67.3958



15.0016, 11.7999, 18.1933



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.



36.1891, 17.8511, 38.0976



51.0272, 25.1749, 53.4687



29.9887, 15.3709, 5.4468



13.4753, 13.2192, 15.7639



21.5021, 10.6019, 22.8218



1.4256, 0.6999, 1.6500

Inverse Universe

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



36.1891, 17.8511, 38.0976



51.0272, 25.1749, 53.4687



31.7309, 53.2231, 42.1394



13.4753, 13.2192, 15.7639



21.5021, 10.6019, 22.8218



1.4256, 0.6999, 1.6500

Previews

White Background



This preview shows how the XYZ color 36.1885, 17.8501, 38.0973 looks on a white background.

Color Contrast Check

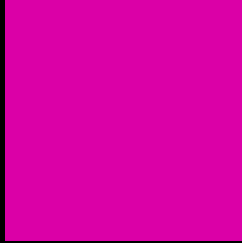
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1885, 17.8501, 38.0973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

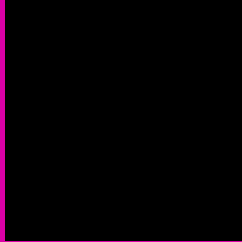
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1885, 17.8501, 38.0973

Background



This preview shows how black text looks on a background with the XYZ color 36.1885, 17.8501, 38.0973.



This preview shows how white text looks on a background with the XYZ color 36.1885, 17.8501,

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

36.1885, 17.8501, 38.0973

Protanopia

22.2535, 18.8072, 82.5780

Deuteranopia

18.7924, 18.4379, 34.0209



Tritanopia

29.8864, 18.1750, 7.5632

Trichromacy



Original Color

36.1885, 17.8501, 38.0973



Protanomaly

19.9751, 12.4616, 63.6399



Deuteranomaly

21.3716, 13.9197, 34.8181



Tritanomaly

31.1093, 16.9720, 15.0009

Monochromacy



Original Color

36.1885, 17.8501, 38.0973



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2452, 8.9445, 17.1953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1885, 17.8501, 38.0973 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.1885, 17.8501, 38.0973 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, 167) }
```


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

```
.border{ border-color:rgb(219, 0, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1885, 17.8501, 38.0973 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, 167) }
```

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

```
.background{ background-color: rgb(219, 0,  
167) }
```

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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