

Converting Colors

XYZ(36.4121, 17.9500, 38.8036)

Have a look what the booklet for
XYZ(36.4121, 17.9500, 38.8036)
contains.

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Color

**XYZ(36.2813, 17.8872,
38.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00A8
RGB	219, 0, 168
RGB Percent	86%, 0%, 66%
CMY	0.1412, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.23, 0.14
HSL	314°, 100%, 43%
HSV	314°, 100%, 86%
XYZ	36.2813, 17.8872, 38.5861
YIQ	84.6330, 76.5960, 98.6760

Conversions

Conversions Part 2

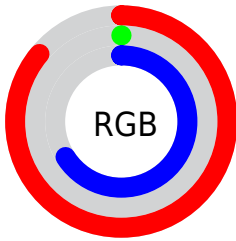
Format	Color
R_{YB}	219, 0, 168
Decimal	14352552
CIE _{Lab}	49.36, 80.98, -28.84
CIE _{LCh}	49, 85.967, 340.396
Yxy	17.8872, 0.3912, 0.1928
Android (android.graphics.Color)	4292542632 (0xFFDB00A8)
YUV	84.6330, 41.0999, 117.8399
Hunter-Lab	42.2933, 79.1131, -24.4877

Details

The XYZ color **36.2813, 17.8872, 38.5861** 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 **25.9305, 50.9029, 11.5951**, and the grayscale version is **8.4687, 8.9097, 9.7027**.

A 20% lighter version of the original color is **58.5620, 34.5931, 73.4026**, and **17.4505, 8.6319, 17.2694** is the 20% darker color. If you saturate the color by 10%, you get **36.2806, 17.8870, 38.5818**, and if you desaturate by 10%, it is **37.0519, 18.6527, 41.2340**.

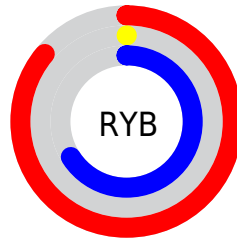
Distribution



Red (86%)

Green (0%)

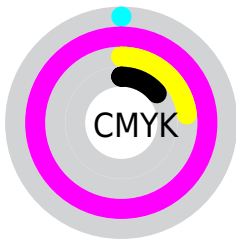
Blue (66%)



Red (86%)

Yellow (0%)

Blue (66%)

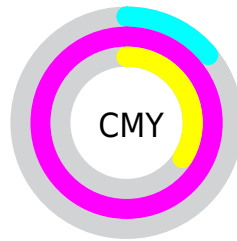


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2813, 17.8872, 38.5861 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 36.2813, 17.8872, 38.5861 by changing the saturation by 10% instead.

 36.2813, 17.8872,
38.5861


 36.2813, 17.8872,
38.5861


321.5982,
240.2345, 355.5008


 24.8226, 10.8690,
26.1325

 68.7871, 39.8450,
74.2190


 16.0730, 5.9788,
16.6962


 90.5649, 55.5535,
98.2353


 9.6670, 2.8322,
9.8584


 116.5131, 74.9275,
126.9430

 5.2393, 1.0448,
5.2008

 146.9971, 98.3514,
160.7607

 2.4245, 0.0000,
2.3048

 182.3823,
126.2097, 200.1067

 0.8574, 0.0000,
0.7339

 223.0340,

 0.0000, 0.0000,

158.8867, 245.3997

0.0000

269.3175,
196.7668, 297.0582

■ 36.2813, 17.8872,
38.5861

■ 36.2813, 17.8872,
38.5861

■ 36.2806, 17.8870,
38.5818

■ 37.0519, 18.6527,
41.2340

■ 38.1645, 20.0720,
44.0888

■ 39.7254, 22.3577,
47.1870

■ 41.7945, 25.6288,
50.5496

■ 44.4220, 29.9857,
54.1944

■ 47.6521, 35.5162,
58.1370

■ 51.5244, 42.2994,
62.3915

■ 56.0750, 50.4073,
66.9710

■ 61.3374, 59.9064,
71.8874

Harmonies

Analogous

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



29.2137, 17.8872, 76.9651



36.2813, 17.8872, 38.5861



37.3639, 17.8872, 12.4894

Triad

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



36.2813, 17.8872, 38.5861



14.3446, 17.8872, 0.0382



7.6893, 17.8872, 64.9972

Complementary

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



36.2813, 17.8872, 38.5861



25.9305, 50.9029, 11.5951

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.



5.8279, 17.8872, 28.6772



36.2813, 17.8872, 38.5861



8.7781, 17.8872, 1.4327

Square

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



36.2813, 17.8872, 38.5861



22.7761, 17.8872, 0.2879



6.1505, 17.8872, 8.0221



12.2957, 17.8872, 98.8704

Rectangle

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



36.2813, 17.8872, 38.5861



34.2693, 17.8872, 4.5084



6.1505, 17.8872, 8.0221



6.8001, 17.8872, 51.8542

Sweetspot

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



36.2819, 17.8882, 38.5864



72.5727, 59.4252, 87.9052



13.9812, 5.7312, 67.3875



15.0139, 11.8048, 18.2580



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.



36.2819, 17.8882, 38.5864



51.1590, 25.2276, 54.1626



30.0856, 15.4097, 5.9573



13.4779, 13.2203, 15.7778



21.5566, 10.6237, 23.1090



1.4287, 0.7011, 1.6665

Inverse Universe

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



36.2819, 17.8882, 38.5864



51.1590, 25.2276, 54.1626



31.4146, 53.0966, 40.4739



13.4779, 13.2203, 15.7778



21.5566, 10.6237, 23.1090



1.4287, 0.7011, 1.6665

Previews

White Background



This preview shows how the XYZ color 36.2813, 17.8872, 38.5861 looks on a white background.

Color Contrast Check

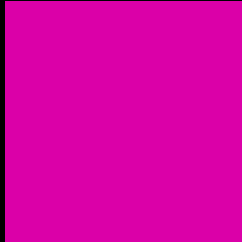
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2813, 17.8872, 38.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

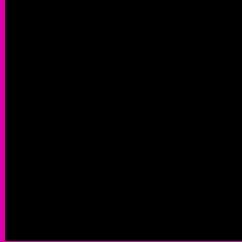
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2813, 17.8872, 38.5861

Background



This preview shows how black text looks on a background with the XYZ color 36.2813, 17.8872, 38.5861.



This preview shows how white text looks on a background with the XYZ color 36.2813, 17.8872,

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

36.2813, 17.8872, 38.5861

Protanopia

22.4383, 18.8685, 84.1207

Deuteranopia

18.8775, 18.4719, 34.4688



Tritanopia

29.9177, 18.1875, 7.7281

Trichromacy



Original Color

36.2813, 17.8872, 38.5861



Protanomaly

19.9863, 12.4527, 64.3010



Deuteranomaly

21.4595, 13.9548, 35.2807



Tritanomaly

31.1610, 16.9927, 15.2732

Monochromacy



Original Color

36.2813, 17.8872, 38.5861



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 36.2813, 17.8872, 38.5861 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.2813, 17.8872, 38.5861 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, 168) }
```


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

```
.border{ border-color:rgb(219, 0, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2813, 17.8872, 38.5861 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, 168) }
```

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

```
.background{ background-color: rgb(219, 0,  
168) }
```

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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