

Converting Colors

XYZ(36.4158, 17.9064, 40.8576)

Have a look what the booklet for
XYZ(36.4158, 17.9064, 40.8576)
contains.

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Color

**XYZ(36.4563, 17.9226,
41.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	DA00AD
RGB	218, 0, 173
RGB Percent	85%, 0%, 68%
CMY	0.1451, 0.9998, 0.3216
CMYK	0.00, 1.00, 0.21, 0.15
HSL	312°, 100%, 43%
HSV	312°, 100%, 85%
XYZ	36.4563, 17.9226, 41.0731
YIQ	84.9040, 74.3950, 100.0190

Conversions

Conversions Part 2

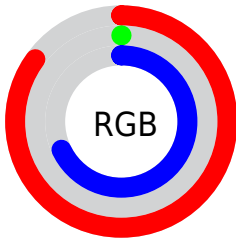
Format	Color
R_{YB}	218, 0, 173
Decimal	14287021
CIE _{Lab}	49.40, 81.38, -31.75
CIE _{LCh}	49, 87.353, 338.689
Yxy	17.9226, 0.3819, 0.1878
Android (android.graphics.Color)	4292477101 (0xFFDA00AD)
YUV	84.9040, 43.4313, 116.7252
Hunter-Lab	42.3351, 79.6265, -27.8880

Details

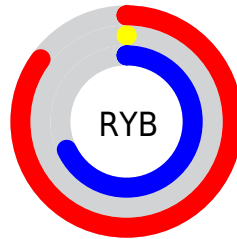
The XYZ color **36.4563, 17.9226, 41.0731** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.5465, 50.3332, 10.8556**, and the grayscale version is **8.5207, 8.9645, 9.7623**.

A 20% lighter version of the original color is **59.3856, 34.9226, 77.7395**, and **17.4907, 8.6252, 18.5123** is the 20% darker color. If you saturate the color by 10%, you get **36.4557, 17.9223, 41.0690**, and if you desaturate by 10%, it is **37.1834, 18.6676, 43.5008**.

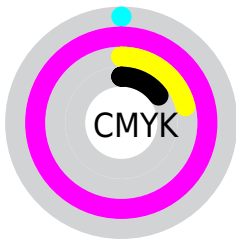
Distribution



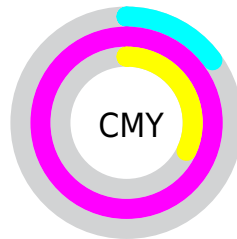
- Red (85%)
- Green (0%)
- Blue (68%)



- Red (85%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4563, 17.9226, 41.0731 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 36.4563, 17.9226, 41.0731 by changing the saturation by 10% instead.

 36.4563, 17.9226,
41.0731


 36.4563, 17.9226,
41.0731


322.3471,
240.4344, 366.3117

 24.9585, 10.8944,
28.0561

 69.0551, 39.9054,
78.0497


 16.1747, 5.9959,
18.1285


 90.8868, 55.6288,
102.8464


 9.7395, 2.8426,
10.8719


 116.8938, 75.0194,
132.4067

 5.2875, 1.0501,
5.8677

 147.4416, 98.4617,
167.1492

 2.4534, 0.0000,
2.6973

 182.8955,
126.3399, 207.4924

 0.8718, 0.0000,
0.9421

 223.6208,

 0.0000, 0.0000,

159.0385, 253.8549

0.0000

269.9829,
196.9419, 306.6551

■ 36.4563, 17.9226,
41.0731

■ 36.4563, 17.9226,
41.0731

■ 36.4557, 17.9223,
41.0690

■ 37.1834, 18.6676,
43.5008

■ 38.2447, 20.0577,
46.1129

■ 39.7458, 22.3035,
48.9454

■ 41.7457, 25.5228,
52.0185

■ 44.2941, 29.8146,
55.3497

■ 47.4346, 35.2659,
58.9539

■ 51.2061, 41.9547,
62.8449

■ 55.6446, 49.9522,
67.0353

■ 60.7829, 59.3243,
71.5366

Harmonies

Analogous

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



28.9747, 17.9226, 80.6337



36.4563, 17.9226, 41.0731



37.9733, 17.9226, 13.4340

Triad

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



36.4563, 17.9226, 41.0731



14.7529, 17.9226, 0.0000



7.4229, 17.9226, 63.8073

Complementary

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



36.4563, 17.9226, 41.0731



25.5465, 50.3332, 10.8556

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.



5.6864, 17.9226, 27.1989



36.4563, 17.9226, 41.0731



8.9297, 17.9226, 1.2057

Square

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



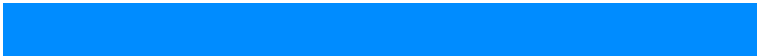
36.4563, 17.9226, 41.0731



23.4626, 17.9226, 0.2654



6.1311, 17.9226, 7.2372



11.9035, 17.9226, 99.5932

Rectangle

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



36.4563, 17.9226, 41.0731



35.0448, 17.9226, 4.8360



6.1311, 17.9226, 7.2372



6.5772, 17.9226, 50.3859

Sweetspot

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



36.4569, 17.9235, 41.0734



72.8705, 59.5443, 89.4733



13.6784, 5.5902, 66.6882



15.0857, 11.8335, 18.6358



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.



36.4569, 17.9235, 41.0734



51.9424, 25.5410, 58.2883



29.8807, 15.2930, 6.4434



13.4932, 13.2264, 15.8585



21.8807, 10.7533, 24.8154



1.4472, 0.7085, 1.7637

Inverse Universe

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



36.4569, 17.9235, 41.0734



51.9424, 25.5410, 58.2883



30.7899, 52.4305, 38.4668



13.4932, 13.2264, 15.8585



21.8807, 10.7533, 24.8154



1.4472, 0.7085, 1.7637

Previews

White Background



This preview shows how the XYZ color 36.4563, 17.9226, 41.0731 looks on a white background.

Color Contrast Check

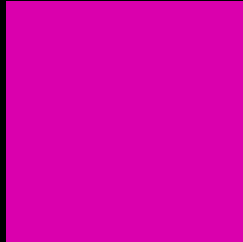
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4563, 17.9226, 41.0731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

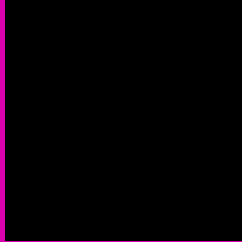
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4563, 17.9226, 41.0731

Background



This preview shows how black text looks on a background with the XYZ color 36.4563, 17.9226, 41.0731.



This preview shows how white text looks on a background with the XYZ color 36.4563, 17.9226,

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

36.4563, 17.9226, 41.0731

Protanopia

22.6122, 18.8540, 88.8336

Deuteranopia

19.0634, 18.6913, 36.7854



Tritanopia

29.8152, 18.3038, 8.0924

Trichromacy



Original Color

36.4563, 17.9226, 41.0731



Protanomaly

18.3932, 11.5418, 68.2762



Deuteranomaly

21.4316, 13.9884, 37.6468



Tritanomaly

31.0648, 16.9780, 16.1078

Monochromacy



Original Color

36.4563, 17.9226, 41.0731



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2029, 8.9092, 17.8007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4563, 17.9226, 41.0731 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(218, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 173)  
}
```

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(218, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.4563, 17.9226, 41.0731 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(218, 0, 173) }
```


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

```
.border{ border-color:rgb(218, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4563, 17.9226, 41.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 173) }
```

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

```
.background{ background-color: rgb(218, 0,  
173) }
```

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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