

Converting Colors

XYZ(36.1236, 17.7465, 41.2650)

Have a look what the booklet for
XYZ(36.1236, 17.7465, 41.2650)
contains.

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Color

**XYZ(36.1581, 17.7688,
41.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	D900AD
RGB	217, 0, 173
RGB Percent	85%, 0%, 68%
CMY	0.1490, 0.9999, 0.3216
CMYK	0.00, 1.00, 0.20, 0.15
HSL	312°, 100%, 43%
HSV	312°, 100%, 85%
XYZ	36.1581, 17.7688, 41.0591
YIQ	84.6050, 73.7990, 99.8070

Conversions

Conversions Part 2

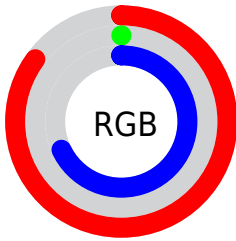
Format	Color
R_{YB}	217, 0, 173
Decimal	14221485
CIE _{Lab}	49.21, 81.20, -32.05
CIE _{LCh}	49, 87.294, 338.457
Yxy	17.7688, 0.3807, 0.1871
Android (android.graphics.Color)	4292411565 (0xFFD900AD)
YUV	84.6050, 43.5787, 116.1104
Hunter-Lab	42.1531, 79.3461, -28.2442

Details

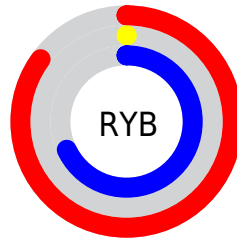
The XYZ color **36.1581, 17.7688, 41.0591** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.2688, 49.8084, 10.6686**, and the grayscale version is **8.4580, 8.8984, 9.6904**.

A 20% lighter version of the original color is **59.3856, 34.9226, 77.7395**, and **17.2948, 8.5242, 18.5031** is the 20% darker color. If you saturate the color by 10%, you get **36.1576, 17.7687, 41.0556**, and if you desaturate by 10%, it is **36.8732, 18.5059, 43.4334**.

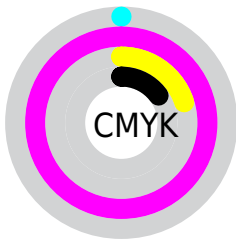
Distribution



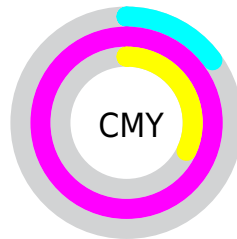
- Red (85%)
- Green (0%)
- Blue (68%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1581, 17.7688, 41.0591 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 36.1581, 17.7688, 41.0591 by changing the saturation by 10% instead.

 36.1581, 17.7688,
41.0591


 36.1581, 17.7688,
41.0591


321.0702,
239.5646, 366.2515


 24.7270, 10.7841,
28.0452


 68.5983, 39.6430,
78.0282


 16.0014, 5.9219,
18.1204


 90.3381, 55.3013,
102.8206


 9.6160, 2.7976,
10.8661


 116.2449, 74.6195,
132.3762

 5.2054, 1.0270,
5.8639

 146.6839, 97.9822,
167.1135

 2.4043, 0.0000,
2.6950

 182.0206,
125.7737, 207.4512

 0.8472, 0.0000,
0.9409

 222.6203,

 0.0000, 0.0000,

158.3783, 253.8077

0.0000

268.8484,
196.1805, 306.6017

■ 36.1581, 17.7688,
41.0591

■ 36.1581, 17.7688,
41.0591

■ 36.1576, 17.7687,
41.0556

■ 36.8732, 18.5059,
43.4334

■ 37.9183, 19.8806,
45.9875

■ 39.3981, 22.1018,
48.7569

■ 41.3708, 25.2858,
51.7618

■ 43.8855, 29.5307,
55.0192

■ 46.9854, 34.9223,
58.5439

■ 50.7091, 41.5379,
62.3495

■ 55.0919, 49.4478,
66.4485

■ 60.1665, 58.7171,
70.8521

Harmonies

Analogous

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



28.6858, 17.7688, 80.4336



36.1581, 17.7688, 41.0591



37.7218, 17.7688, 13.4480

Triad

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



36.1581, 17.7688, 41.0591



14.6788, 17.7688, 0.0000



7.3210, 17.7688, 63.0817

Complementary

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



36.1581, 17.7688, 41.0591



25.2688, 49.8084, 10.6686

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.



5.6167, 17.7688, 26.7597



36.1581, 17.7688, 41.0591



8.8715, 17.7688, 1.1658

Square

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



36.1581, 17.7688, 41.0591



23.3502, 17.7688, 0.2557



6.0740, 17.7688, 7.0695



11.7449, 17.7688, 98.8134

Rectangle

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



36.1581, 17.7688, 41.0591



34.8423, 17.7688, 4.8392



6.0740, 17.7688, 7.0695



6.4887, 17.7688, 49.7416

Sweetspot

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



36.1587, 17.7697, 41.0594



72.9119, 59.5609, 89.6917



13.5392, 5.5335, 66.0006



15.0957, 11.8375, 18.6885



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.



36.1587, 17.7697, 41.0594



52.0536, 25.5854, 58.8738



29.5736, 15.1357, 6.3828



13.4953, 13.2272, 15.8696



21.9266, 10.7717, 25.0574



1.4498, 0.7095, 1.7774

Inverse Universe

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



36.1587, 17.7697, 41.0594



52.0536, 25.5854, 58.8738



30.4737, 51.8904, 38.0774



13.4953, 13.2272, 15.8696



21.9266, 10.7717, 25.0574



1.4498, 0.7095, 1.7774

Previews

White Background



This preview shows how the XYZ color 36.1581, 17.7688, 41.0591 looks on a white background.

Color Contrast Check

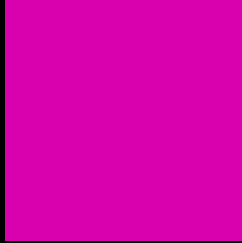
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1581, 17.7688, 41.0591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

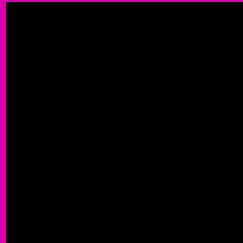
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1581, 17.7688, 41.0591

Background



This preview shows how black text looks on a background with the XYZ color 36.1581, 17.7688, 41.0591.



This preview shows how white text looks on a background with the XYZ color 36.1581, 17.7688,

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

36.1581, 17.7688, 41.0591

Protanopia

22.3464, 18.5663, 87.9938

Deuteranopia

18.8267, 18.3954, 36.7408



Tritanopia

29.5313, 18.1574, 8.0792

Trichromacy



Original Color

36.1581, 17.7688, 41.0591



Protanomaly

18.2619, 11.4893, 67.5848



Deuteranomaly

21.1858, 13.7617, 37.6161



Tritanomaly

30.7756, 16.8289, 16.0943

Monochromacy



Original Color

36.1581, 17.7688, 41.0591



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 36.1581, 17.7688, 41.0591 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(217, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.1581, 17.7688, 41.0591 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(217, 0, 173) }
```


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

```
.border{ border-color:rgb(217, 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(217, 0, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1581, 17.7688, 41.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 173) }
```

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

```
.background{ background-color: rgb(217, 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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