

Converting Colors

XYZ(36.5488, 18.0709, 36.5330)

Have a look what the booklet for
XYZ(36.5488, 18.0709, 36.5330)
contains.

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Color

**XYZ(36.5196, 18.0525,
36.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	DD00A4
RGB	221, 0, 164
RGB Percent	87%, 0%, 64%
CMY	0.1333, 0.9998, 0.3569
CMYK	0.00, 1.00, 0.26, 0.13
HSL	315°, 100%, 43%
HSV	315°, 100%, 87%
XYZ	36.5196, 18.0525, 36.6816
YIQ	84.7750, 79.0720, 97.8560

Conversions

Conversions Part 2

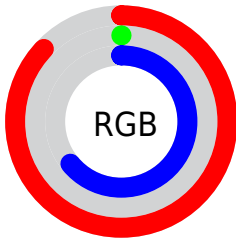
Format	Color
RYB	221, 0, 164
Decimal	14483620
CIELab	49.56, 80.91, -26.13
CIELCh	50, 85.025, 342.102
Yxy	18.0525, 0.4002, 0.1978
Android (android.graphics.Color)	4292673700 (0xFFDD00A4)
YUV	84.7750, 39.0579, 119.4693
Hunter-Lab	42.4882, 79.0704, -21.4454

Details

The XYZ color **36.5196, 18.0525, 36.6816** 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 **26.5967, 52.0091, 12.5136**, and the grayscale version is **8.5024, 8.9452, 9.7413**.

A 20% lighter version of the original color is **58.0289, 34.3799, 70.5954**, and **17.6226, 8.7469, 16.0887** is the 20% darker color. If you saturate the color by 10%, you get **36.5187, 18.0521, 36.6764**, and if you desaturate by 10%, it is **37.3360, 18.8425, 39.5514**.

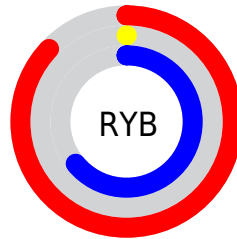
Distribution



Red (87%)

Green (0%)

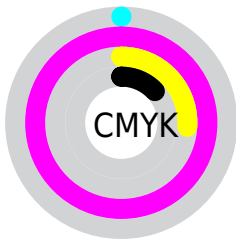
Blue (64%)



Red (87%)

Yellow (0%)

Blue (64%)

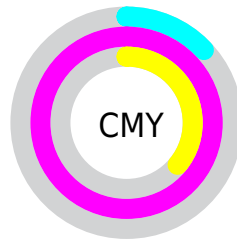


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5196, 18.0525, 36.6816 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 36.5196, 18.0525, 36.6816 by changing the saturation by 10% instead.


 36.5196, 18.0525,
36.6816


 36.5196, 18.0525,
36.6816


322.6177,
241.1668, 347.0571


 25.0077, 10.9877,
24.6672


 69.1519, 40.1268,
71.2637


 16.2116, 6.0586,
15.6125


 91.0031, 55.9050,
94.6684


 9.7658, 2.8807,
9.0990

 117.0315, 75.3565,
122.7070

 5.3050, 1.0698,
4.7081

 147.6023, 98.8657,
155.7981

 2.4639, 0.0000,
2.0213

 183.0810,
126.8169, 194.3600

 0.8771, 0.0000,
0.5683

 223.8329,

 0.0000, 0.0000,

159.5945, 238.8115

0.0000

270.2233,
197.5831, 289.5710

■ 36.5196, 18.0525,
36.6816

■ 36.5196, 18.0525,
36.6816

■ 36.5187, 18.0521,
36.6764

■ 37.3360, 18.8425,
39.5514

■ 38.5061, 20.3027,
42.6543

■ 40.1383, 22.6494,
46.0281

■ 42.2939, 26.0042,
49.6944

■ 45.0242, 30.4700,
53.6718

■ 48.3746, 36.1366,
57.9768

■ 52.3857, 43.0849,
62.6242

■ 57.0944, 51.3885,
67.6276

■ 62.5350, 61.1155,
72.9998

Harmonies

Analogous

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



29.7780, 18.0525, 74.3505



36.5196, 18.0525, 36.6816



37.1943, 18.0525, 11.7459

Triad

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



36.5196, 18.0525, 36.6816



14.1117, 18.0525, 0.1617



8.0415, 18.0525, 66.9147

Complementary

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



36.5196, 18.0525, 36.6816



26.5967, 52.0091, 12.5136

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.



6.0329, 18.0525, 30.4996



36.5196, 18.0525, 36.6816



8.7282, 18.0525, 1.6962

Square

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



36.5196, 18.0525, 36.6816



22.3718, 18.0525, 0.3172



6.2371, 18.0525, 8.9329



12.8252, 18.0525, 99.2895

Rectangle

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



36.5196, 18.0525, 36.6816



33.9063, 18.0525, 4.2510



6.2371, 18.0525, 8.9329



7.0983, 18.0525, 53.9074

Sweetspot

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



36.5202, 18.0535, 36.6819



72.2938, 59.3136, 86.4368



14.6427, 6.0417, 68.8012



14.9469, 11.7780, 17.9048



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.



36.5202, 18.0535, 36.6819



50.4490, 24.9436, 50.4238



30.5157, 15.6517, 5.0628



13.4634, 13.2145, 15.7017



21.2626, 10.5061, 21.5606



1.4118, 0.6944, 1.5775

Inverse Universe

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



36.5202, 18.0535, 36.6819



50.4490, 24.9436, 50.4238



32.7181, 54.4577, 44.7486



13.4634, 13.2145, 15.7017



21.2626, 10.5061, 21.5606



1.4118, 0.6944, 1.5775

Previews

White Background



This preview shows how the XYZ color 36.5196, 18.0525, 36.6816 looks on a white background.

Color Contrast Check

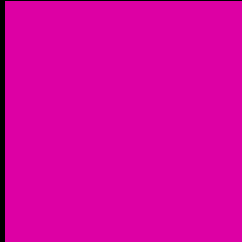
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5196, 18.0525, 36.6816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

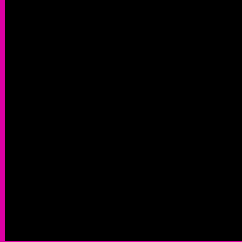
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5196, 18.0525, 36.6816

Background



This preview shows how black text looks on a background with the XYZ color 36.5196, 18.0525, 36.6816.



This preview shows how white text looks on a background with the XYZ color 36.5196, 18.0525,

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

36.5196, 18.0525, 36.6816

Protanopia

22.2200, 19.0269, 79.5922

Deuteranopia

18.9211, 18.5332, 32.7170



Tritanopia

30.6652, 18.4941, 7.4223

Trichromacy



Original Color

36.5196, 18.0525, 36.6816



Protanomaly

20.5160, 12.8964, 61.0824



Deuteranomaly

21.4835, 14.0073, 33.4697



Tritanomaly

31.8564, 17.3169, 14.4954

Monochromacy



Original Color

36.5196, 18.0525, 36.6816



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.1879, 8.9216, 16.8938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5196, 18.0525, 36.6816 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(221, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 164)  
}
```

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(221, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 164) }
```

Border

The CSS property to change the border of an element to XYZ 36.5196, 18.0525, 36.6816 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(221, 0, 164) }
```


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

```
.border{ border-color:rgb(221, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5196, 18.0525, 36.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 164) }
```

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

```
.background{ background-color: rgb(221, 0,  
164) }
```

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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