

Converting Colors

XYZ(36.4546, 19.2686, 35.1852)

Have a look what the booklet for
XYZ(36.4546, 19.2686, 35.1852)
contains.

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Color

**XYZ(36.3865, 19.2541,
35.0563)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2AA0
RGB	219, 42, 160
RGB Percent	86%, 16%, 63%
CMY	0.1412, 0.8352, 0.3725
CMYK	0.00, 0.81, 0.27, 0.14
HSL	320°, 71%, 51%
HSV	320°, 81%, 86%
XYZ	36.3865, 19.2541, 35.0563
YIQ	108.3750, 67.6140, 74.2220

Conversions

Conversions Part 2

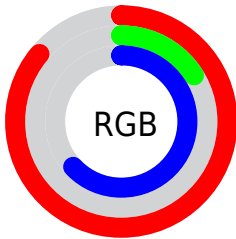
Format	Color
R_{YB}	219, 42, 160
Decimal	14363296
CIE _{Lab}	50.98, 74.33, -21.59
CIE _{LCh}	51, 77.405, 343.805
Yxy	19.2541, 0.4012, 0.2123
Android (android.graphics.Color)	4292553376 (0xFFDB2AA0)
YUV	108.3750, 25.4511, 97.0181
Hunter-Lab	43.8795, 71.2297, -16.6524

Details

The XYZ color **36.3865, 19.2541, 35.0563** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.6367, 52.0955, 20.8618**, and the grayscale version is **14.2786, 15.0222, 16.3591**.

A 20% lighter version of the original color is **58.8683, 36.8914, 68.3080**, and **17.0048, 8.4536, 14.9228** is the 20% darker color. If you saturate the color by 10%, you get **35.1906, 17.8544, 31.5986**, and if you desaturate by 10%, it is **38.0449, 21.5184, 38.8535**.

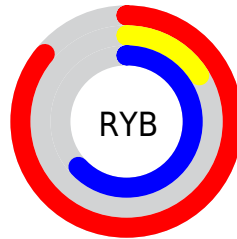
Distribution



Red (86%)

Green (16%)

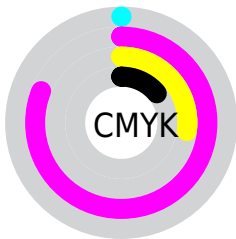
Blue (63%)



Red (86%)

Yellow (16%)

Blue (63%)

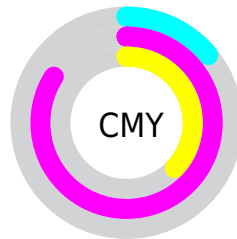


Cyan (0%)

Magenta (81%)

Yellow (27%)

Black (14%)



Cyan (14%)


Magenta (84%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3865, 19.2541, 35.0563 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 36.3865, 19.2541, 35.0563 by changing the saturation by 10% instead.


 36.3865, 19.2541,
35.0563


 36.3865, 19.2541,
35.0563


322.0486,
247.8480, 339.7286

 24.9043, 11.8540,
23.4223


 68.9482, 42.1630,
68.7255


 16.1341, 6.6444,
14.6975


 90.7584, 58.4407,
91.5979


 9.7106, 3.2407,
8.4631


 116.7420, 78.4463,
119.0535

 5.2683, 1.2587,
4.3007

 147.2644,
102.5643, 151.5108

 2.4419, 0.1088,
1.7917

 182.6909,
131.1791, 189.3885

 0.8660, 0.0000,
0.4225

223.3869,

 0.0000, 0.0000,

164.6750, 233.1049

0.0000

269.7176,
203.4365, 283.0788

■ 36.3865, 19.2541,
35.0563

■ 36.3865, 19.2541,
35.0563

■ 35.1906, 17.8544,
31.5986

■ 38.0449, 21.5184,
38.8535

■ 34.4013, 17.1352,
28.6861

■ 40.2252, 24.7656,
43.0126

■ 42.9793, 29.0985,
47.5542

■ 46.3522, 34.6060,
52.4961

■ 50.3843, 41.3678,
57.8546

■ 55.1122, 49.4568,
63.6448

■ 60.5701, 58.9399,
69.8808

■ 66.7896, 69.8798,
76.5758

■ 73.8006, 82.3351,
83.7424

Harmonies

Analogous

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



30.4965, 19.2541, 68.4751



36.3865, 19.2541, 35.0563



36.6384, 19.2541, 12.4289

Triad

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



36.3865, 19.2541, 35.0563



15.0082, 19.2541, 0.8902



9.6006, 19.2541, 65.7739

Complementary

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



36.3865, 19.2541, 35.0563



28.6367, 52.0955, 20.8618

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.



7.4052, 19.2541, 32.7172



36.3865, 19.2541, 35.0563



9.8858, 19.2541, 2.8851

Square

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



36.3865, 19.2541, 35.0563



22.7203, 19.2541, 0.9487



7.4925, 19.2541, 11.2682



14.4945, 19.2541, 93.0902

Rectangle

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



36.3865, 19.2541, 35.0563



33.4577, 19.2541, 5.1701



7.4925, 19.2541, 11.2682



8.5923, 19.2541, 54.2496

Sweetspot

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



36.3871, 19.2551, 35.0566



75.4247, 65.7296, 87.0052



18.9826, 9.5387, 67.8585



15.6322, 13.1935, 17.9949



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.



36.3871, 19.2551, 35.0566



48.8217, 24.4256, 41.4454



31.1958, 17.1786, 7.7194



13.4202, 13.1972, 15.4742



20.4511, 10.1815, 17.2872



1.3643, 0.6753, 1.3272

Inverse Universe

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



36.3871, 19.2551, 35.0566



48.8217, 24.4256, 41.4454



35.5269, 54.8516, 57.1455



13.4202, 13.1972, 15.4742



20.4511, 10.1815, 17.2872



1.3643, 0.6753, 1.3272

Previews

White Background



This preview shows how the XYZ color 36.3865, 19.2541, 35.0563 looks on a white background.

Color Contrast Check

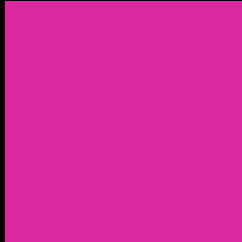
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.3865, 19.2541, 35.0563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

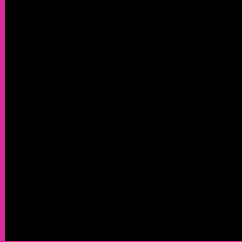
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3865, 19.2541, 35.0563

Background



This preview shows how black text looks on a background with the XYZ color 36.3865, 19.2541, 35.0563.



This preview shows how white text looks on a background with the XYZ color 36.3865, 19.2541,

35.0563.

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

36.3865, 19.2541, 35.0563

Protanopia

22.1017, 19.7399, 68.2909

Deuteranopia

19.9672, 19.6280, 31.5904



Tritanopia

31.0624, 19.3027, 8.9261

Trichromacy



Original Color

36.3865, 19.2541, 35.0563



Protanomaly

22.6070, 16.0569, 54.1323



Deuteranomaly

23.3702, 17.0553, 32.6321



Tritanomaly

32.3469, 18.8461, 15.8427

Monochromacy



Original Color

36.3865, 19.2541, 35.0563



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.2138, 14.1689, 21.8009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3865, 19.2541, 35.0563 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, 42, 160)` looks like.

```
.text, #text, p{  
  color:rgb(219, 42, 160)  
}
```

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, 42, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 42, 160) }
```

Border

The CSS property to change the border of an element to XYZ 36.3865, 19.2541, 35.0563 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, 42, 160) }
```


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

```
.border{ border-color:rgb(219, 42, 160) }
```

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

Here you see how a box with a 4 pixel rgb(219, 42, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 42, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 42, 160);  
box-shadow:4px 4px 4px 4px rgb(219, 42,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3865, 19.2541, 35.0563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 42, 160) }
```

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

```
.background{ background-color: rgb(219, 42,  
160) }
```

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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