

Converting Colors

XYZ(36.7293, 18.1663, 36.4314)

Have a look what the booklet for
XYZ(36.7293, 18.1663, 36.4314)
contains.

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Color

**XYZ(36.7351, 18.1739,
36.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00A3
RGB	222, 0, 163
RGB Percent	87%, 0%, 64%
CMY	0.1294, 0.9998, 0.3608
CMYK	0.00, 1.00, 0.27, 0.13
HSL	316°, 100%, 44%
HSV	316°, 100%, 87%
XYZ	36.7351, 18.1739, 36.2221
YIQ	84.9600, 79.9890, 97.7570

Conversions

Conversions Part 2

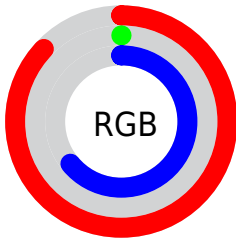
Format	Color
R_{YB}	222, 0, 163
Decimal	14549155
CIE _{Lab}	49.71, 80.99, -25.29
CIE _{LCh}	50, 84.850, 342.657
Yxy	18.1739, 0.4031, 0.1994
Android (android.graphics.Color)	4292739235 (0xFFDE00A3)
YUV	84.9600, 38.4737, 120.1841
Hunter-Lab	42.6309, 79.2098, -20.5352

Details

The XYZ color **36.7351, 18.1739, 36.2221** 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 **26.9124, 52.5593, 12.8695**, and the grayscale version is **8.5413, 8.9861, 9.7859**.

A 20% lighter version of the original color is **57.8976, 34.3274, 69.9040**, and **17.5672, 8.7248, 15.7971** is the 20% darker color. If you saturate the color by 10%, you get **36.7343, 18.1737, 36.2174**, and if you desaturate by 10%, it is **37.5681, 18.9736, 39.1698**.

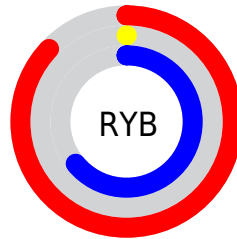
Distribution



Red (87%)

Green (0%)

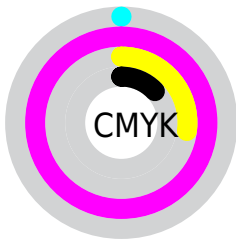
Blue (64%)



Red (87%)

Yellow (0%)

Blue (64%)

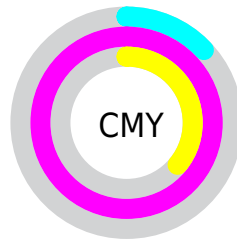


Cyan (0%)

Magenta (100%)

Yellow (27%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7351, 18.1739, 36.2221 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 36.7351, 18.1739, 36.2221 by changing the saturation by 10% instead.


 36.7351, 18.1739,
36.2221


 36.7351, 18.1739,
36.2221


323.5377,
241.8494, 344.9970


 25.1752, 11.0749,
24.3147


 69.4817, 40.3334,
70.5476


 16.3371, 6.1172,
15.3529

 91.3990, 56.1627,
93.8029


 9.8553, 2.9165,
8.9181


 117.4996, 75.6710,
121.6778

 5.3647, 1.0883,
4.5917

 148.1487, 99.2425,
154.5910

 2.4997, 0.0000,
1.9552

 183.7117,
127.2617, 192.9610

 0.8951, 0.0000,
0.5275

 224.5540,

 0.0000, 0.0000,

160.1130, 237.2063

0.0000

271.0408,
198.1808, 287.7454

■ 36.7351, 18.1739,
36.2221

■ 36.7351, 18.1739,
36.2221

■ 36.7343, 18.1737,
36.2174

■ 37.5681, 18.9736,
39.1698

■ 38.7600, 20.4513,
42.3604

■ 40.4202, 22.8252,
45.8321

■ 42.6107, 26.2186,
49.6069

■ 45.3837, 30.7353,
53.7039

■ 48.7847, 36.4663,
58.1398

■ 52.8550, 43.4933,
62.9297

■ 57.6320, 51.8907,
68.0876

■ 63.1504, 61.7274,
73.6264

Harmonies

Analogous

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



30.0739, 18.1739, 73.8063



36.7351, 18.1739, 36.2221



37.2812, 18.1739, 11.5573

Triad

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



36.7351, 18.1739, 36.2221



14.0904, 18.1739, 0.2036



8.1869, 18.1739, 67.7941

Complementary

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



36.7351, 18.1739, 36.2221



26.9124, 52.5593, 12.8695

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.



6.1222, 18.1739, 31.2169



36.7351, 18.1739, 36.2221



8.7449, 18.1739, 1.7934

Square

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



36.7351, 18.1739, 36.2221



22.3274, 18.1739, 0.3292



6.2883, 18.1739, 9.2730



13.0467, 18.1739, 99.8039

Rectangle

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



36.7351, 18.1739, 36.2221



33.9189, 18.1739, 4.1861



6.2883, 18.1739, 9.2730



7.2225, 18.1739, 54.7839

Sweetspot

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



36.7357, 18.1749, 36.2224



72.2071, 59.2790, 85.9802



14.7900, 6.1021, 69.5059



14.9260, 11.7697, 17.7952



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.



36.7357, 18.1749, 36.2224



50.2330, 24.8572, 49.2864



30.8271, 15.8115, 5.1085



14.1314, 13.8702, 16.4619



21.8676, 10.8141, 21.7665



1.5522, 0.7641, 1.7006

Inverse Universe

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



36.7357, 18.1749, 36.2224



50.2330, 24.8572, 49.2864



33.0518, 55.0150, 45.1992



14.1314, 13.8702, 16.4619



21.8676, 10.8141, 21.7665



1.5522, 0.7641, 1.7006

Previews

White Background



This preview shows how the XYZ color 36.7351, 18.1739, 36.2221 looks on a white background.

Color Contrast Check

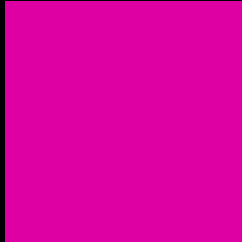
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7351, 18.1739, 36.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

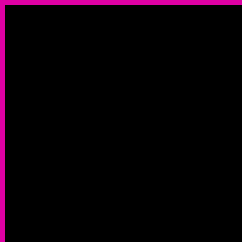
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7351, 18.1739, 36.2221

Background



This preview shows how black text looks on a background with the XYZ color 36.7351, 18.1739, 36.2221.



This preview shows how white text looks on a background with the XYZ color 36.7351, 18.1739,

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

36.7351, 18.1739, 36.2221

Protanopia

22.2791, 19.0739, 78.8513

Deuteranopia

19.2162, 18.8687, 32.3350



Tritanopia

30.8708, 18.5191, 7.2577

Trichromacy



Original Color

36.7351, 18.1739, 36.2221



Protanomaly

20.6507, 12.9800, 60.4485



Deuteranomaly

21.8433, 14.3025, 33.0619



Tritanomaly

32.1047, 17.4506, 14.2466

Monochromacy



Original Color

36.7351, 18.1739, 36.2221



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2915, 8.9815, 16.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7351, 18.1739, 36.2221 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(222, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 163)  
}
```

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(222, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 36.7351, 18.1739, 36.2221 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(222, 0, 163) }
```


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

```
.border{ border-color:rgb(222, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7351, 18.1739, 36.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 163) }
```

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

```
.background{ background-color: rgb(222, 0,  
163) }
```

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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