

Converting Colors

XYZ(36.6749, 18.8109, 34.0908)

Have a look what the booklet for
XYZ(36.6749, 18.8109, 34.0908)
contains.

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Color

**XYZ(36.7110, 18.8287,
34.0472)**

Conversions

Conversions Part 1

Format	Color
Hex	DE1C9E
RGB	222, 28, 158
RGB Percent	87%, 11%, 62%
CMY	0.1294, 0.8901, 0.3804
CMYK	0.00, 0.87, 0.29, 0.13
HSL	320°, 78%, 49%
HSV	320°, 87%, 87%
XYZ	36.7110, 18.8287, 34.0472
YIQ	100.8260, 73.8940, 81.5580

Conversions

Conversions Part 2

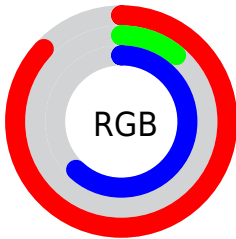
Format	Color
R_{YB}	222, 28, 158
Decimal	14556318
CIE _{Lab}	50.49, 77.55, -21.12
CIE _{LCh}	50, 80.375, 344.767
Yxy	18.8287, 0.4098, 0.2102
Android (android.graphics.Color)	4292746398 (0xFFDE1C9E)
YUV	100.8260, 28.1868, 106.2696
Hunter-Lab	43.3920, 75.0804, -16.1470

Details

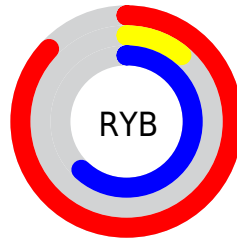
The XYZ color **36.7110, 18.8287, 34.0472** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **28.5334, 53.2629, 18.9066**, and the grayscale version is **12.2439, 12.8815, 14.0280**.

A 20% lighter version of the original color is **58.0016, 35.5668, 66.7589**, and **17.5018, 8.7220, 14.3967** is the 20% darker color. If you saturate the color by 10%, you get **35.7471, 17.8798, 30.7074**, and if you desaturate by 10%, it is **38.0955, 20.5582, 37.7128**.

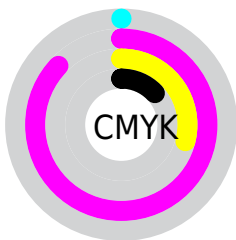
Distribution



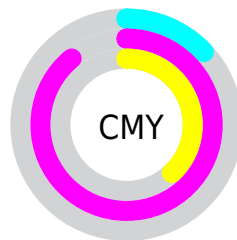
- Red (87%)
- Green (11%)
- Blue (62%)



- Red (87%)
- Yellow (11%)
- Blue (62%)



- Cyan (0%)
- Magenta (87%)
- Yellow (29%)
- Black (13%)





- Cyan (13%)
- Magenta (89%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7110, 18.8287, 34.0472 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 36.7110, 18.8287, 34.0472 by changing the saturation by 10% instead.


 36.7110, 18.8287,
34.0472


 36.7110, 18.8287,
34.0472


323.4349,
245.5015, 335.1180


 25.1565, 11.5466,
22.6522


 69.4448, 41.4444,
67.1418

 16.3230, 6.4357,
14.1340


 91.3548, 57.5468,
89.6785


 9.8453, 3.1118,
8.0741


 117.4473, 77.3581,
116.7661

 5.3580, 1.1904,
4.0540

 148.0876,
101.2627, 148.8233

 2.4957, 0.0538,
1.6550

 183.6412,
129.6449, 186.2686

 0.8931, 0.0000,
0.3296

 224.4734,

 0.0000, 0.0000,

162.8891, 229.5204

0.0000

270.9495,
201.3799, 278.9974

■ 36.7110, 18.8287,
34.0472

■ 36.7110, 18.8287,
34.0472

■ 35.7471, 17.8798,
30.7074

■ 38.0955, 20.5582,
37.7128

■ 35.5296, 17.6918,
29.8739

■ 39.9778, 23.2224,
41.7328

■ 42.4179, 26.9400,
46.1303

■ 45.4662, 31.8110,
50.9250

■ 49.1675, 37.9238,
56.1349

■ 53.5620, 45.3581,
61.7762

■ 58.6868, 54.1871,
67.8640

■ 64.5761, 64.4783,
74.4125

■ 71.2620, 76.2950,
81.4349

Harmonies

Analogous

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



30.7325, 18.8287, 68.8885



36.7110, 18.8287, 34.0472



36.7621, 18.8287, 11.3567

Triad

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



36.7110, 18.8287, 34.0472



14.3259, 18.8287, 0.6519



9.1930, 18.8287, 68.3342

Complementary

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



36.7110, 18.8287, 34.0472



28.5334, 53.2629, 18.9066

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.



6.9276, 18.8287, 33.5748



36.7110, 18.8287, 34.0472



9.2486, 18.8287, 2.5965

Square

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



36.7110, 18.8287, 34.0472



22.1511, 18.8287, 0.6638



6.9444, 18.8287, 11.1300



14.2242, 18.8287, 96.6077

Rectangle

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



36.7110, 18.8287, 34.0472



33.3343, 18.8287, 4.4320



6.9444, 18.8287, 11.1300



8.1576, 18.8287, 56.2353

Sweetspot

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



36.7116, 18.8297, 34.0475



74.0991, 63.4166, 85.5201



17.7634, 8.2514, 69.7639



15.3782, 12.7513, 17.7078



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.



36.7116, 18.8297, 34.0475



48.5781, 24.1952, 40.5719



31.4536, 16.7265, 6.3593



14.0927, 13.8547, 16.2582



21.1572, 10.5299, 18.0254



1.5073, 0.7462, 1.4644

Inverse Universe

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



36.7116, 18.8297, 34.0475



48.5781, 24.1952, 40.5719



35.5103, 56.0536, 55.6463



14.0927, 13.8547, 16.2582



21.1572, 10.5299, 18.0254



1.5073, 0.7462, 1.4644

Previews

White Background



This preview shows how the XYZ color 36.7110, 18.8287, 34.0472 looks on a white background.

Color Contrast Check

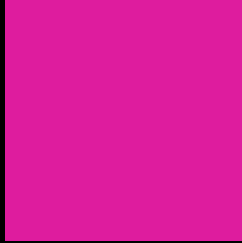
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7110, 18.8287, 34.0472 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 36.7110, 18.8287, 34.0472

Background



This preview shows how black text looks on a background with the XYZ color 36.7110, 18.8287, 34.0472.



This preview shows how white text looks on a background with the XYZ color 36.7110, 18.8287,

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

36.7110, 18.8287, 34.0472

Protanopia

22.0554, 19.4794, 71.0041

Deuteranopia

19.4315, 19.0169, 30.6635



Tritanopia

31.3726, 18.9376, 7.7961

Trichromacy



Original Color

36.7110, 18.8287, 34.0472



Protanomaly

21.8990, 14.9342, 55.1545



Deuteranomaly

22.6263, 15.8319, 31.5691



Tritanomaly

32.5397, 18.3207, 14.3916

Monochromacy



Original Color

36.7110, 18.8287, 34.0472



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

17.6387, 12.3224, 19.8612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7110, 18.8287, 34.0472 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, 28, 158)` looks like.

```
.text, #text, p{  
    color:rgb(222, 28, 158)  
}
```

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, 28, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 28, 158) }
```

Border

The CSS property to change the border of an element to XYZ 36.7110, 18.8287, 34.0472 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, 28, 158) }
```


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

```
.border{ border-color:rgb(222, 28, 158) }
```

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

Here you see how a box with a 4 pixel rgb(222, 28, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 28, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 28, 158);  
box-shadow:4px 4px 4px 4px rgb(222, 28,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7110, 18.8287, 34.0472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 28, 158) }
```

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

```
.background{ background-color: rgb(222, 28,  
158) }
```

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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