

Converting Colors

XYZ(36.2544, 18.1700, 55.6218)

Have a look what the booklet for
XYZ(36.2544, 18.1700, 55.6218)
contains.

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Color

**XYZ(36.2267, 18.1739,
55.6314)**

Conversions

Conversions Part 1

Format	Color
Hex	CE1EC7
RGB	206, 30, 199
RGB Percent	81%, 12%, 78%
CMY	0.1922, 0.8823, 0.2196
CMYK	0.00, 0.85, 0.03, 0.19
HSL	302°, 75%, 46%
HSV	302°, 85%, 81%
XYZ	36.2267, 18.1739, 55.6314
YIQ	101.8900, 50.6470, 89.8710

Conversions

Conversions Part 2

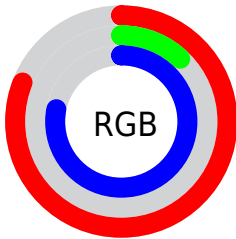
Format	Color
R _Y B	206, 30, 199
Decimal	13508295
CIE Lab	49.71, 79.30, -46.60
CIE LCh	50, 91.983, 329.560
Yxy	18.1739, 0.3292, 0.1652
Android (android.graphics.Color)	4291698375 (0xFFCE1EC7)
YUV	101.8900, 47.8752, 91.3045
Hunter-Lab	42.6309, 77.0811, -47.5293

Details

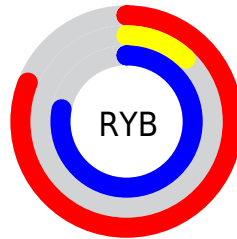
The XYZ color **36.2267, 18.1739, 55.6314** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **22.9416, 44.5531, 9.1419**, and the grayscale version is **12.4725, 13.1221, 14.2899**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **17.0667, 8.2167, 27.0720** is the 20% darker color. If you saturate the color by 10%, you get **35.7701, 17.4119, 55.0111**, and if you desaturate by 10%, it is **37.0252, 19.6177, 56.3684**.

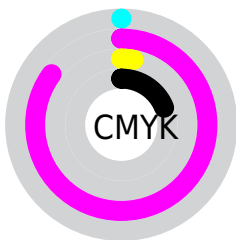
Distribution



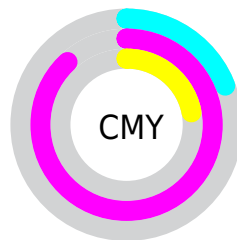
- Red (81%)
- Green (12%)
- Blue (78%)



- Red (81%)
- Yellow (12%)
- Blue (78%)



- Cyan (0%)
- Magenta (85%)
- Yellow (3%)
- Black (19%)





- Cyan (19%)
- Magenta (88%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2267, 18.1739, 55.6314 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 36.2267, 18.1739, 55.6314 by changing the saturation by 10% instead.


 36.2267, 18.1739,
55.6314

 36.2267, 18.1739,
55.6314

321.3643,
241.8494, 425.6501

 24.7803, 11.0749,
39.5055


 68.7034, 40.3334,
99.9458

 16.0413, 6.1172,
26.8423


 90.4644, 56.1627,
128.9714


 9.6444, 2.9165,
17.2234


 116.3942, 75.6710,
163.1340

 5.2243, 1.0883,
10.2303

 146.8584, 99.2425,
202.8520

 2.4155, 0.0000,
5.4443

 182.2221,
127.2617, 248.5442

 0.8529, 0.0000,
2.4470

 222.8507,

 0.0000, 0.0000,

160.1130, 300.6288

0.8119

269.1097,
198.1808, 359.5247

■ 0.0000, 0.0000,
0.0000

■ 36.2267, 18.1739,
55.6314

■ 36.2267, 18.1739,
55.6314

■ 35.7701, 17.4119,
55.0111

■ 37.0252, 19.6177,
56.3684

■ 35.6247, 17.1903,
54.7495

■ 38.2210, 21.8558,
57.2403

■ 39.8617, 24.9827,
58.2630

■ 41.9876, 29.0794,
59.4499

■ 44.6346, 34.2174,
60.8132

■ 47.8351, 40.4617,
62.3634

■ 51.6191, 47.8721,
64.1108

■ 56.0142, 56.5038,
66.0643

■ 61.0464, 66.4088,
68.2328

Harmonies

Analogous

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



26.9783, 18.1739, 98.2981



36.2267, 18.1739, 55.6314



40.1613, 18.1739, 20.1605

Triad

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



36.2267, 18.1739, 55.6314



17.4032, 18.1739, 0.0000



6.3803, 18.1739, 54.3648

Complementary

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



36.2267, 18.1739, 55.6314



22.9416, 44.5531, 9.1419

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.



5.3179, 18.1739, 19.4207



36.2267, 18.1739, 55.6314



10.2300, 18.1739, 0.3978

Square

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



36.2267, 18.1739, 55.6314



27.2806, 18.1739, 0.4472



6.4471, 18.1739, 4.0361



10.0730, 18.1739, 97.2250

Rectangle

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



36.2267, 18.1739, 55.6314



38.4815, 18.1739, 7.6400



6.4471, 18.1739, 4.0361



5.7729, 18.1739, 40.7103

Sweetspot

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



36.2274, 18.1748, 55.6318



77.0013, 64.5775, 100.8033



12.3287, 5.7584, 58.8550



16.0760, 13.0303, 21.3820



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.



36.2274, 18.1748, 55.6318



57.6994, 27.8438, 88.6043



28.8511, 15.2242, 16.7884



11.6675, 11.3957, 14.0498



21.9451, 10.5886, 33.7593



1.1383, 0.5487, 1.7739

Inverse Universe

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



36.2274, 18.1748, 55.6318



57.6994, 27.8438, 88.6043



26.2375, 45.8715, 26.4981



11.6675, 11.3957, 14.0498



21.9451, 10.5886, 33.7593



1.1383, 0.5487, 1.7739

Previews

White Background



This preview shows how the XYZ color 36.2267, 18.1739, 55.6314 looks on a white background.

Color Contrast Check

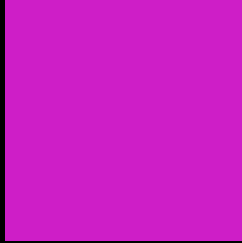
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2267, 18.1739, 55.6314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

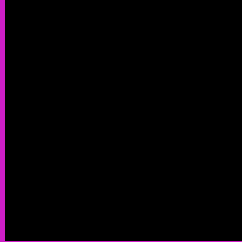
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2267, 18.1739, 55.6314

Background



This preview shows how black text looks on a background with the XYZ color 36.2267, 18.1739, 55.6314.



This preview shows how white text looks on a background with the XYZ color 36.2267, 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

36.2267, 18.1739, 55.6314

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

19.0461, 18.5753, 49.5953



Tritanopia

26.9857, 18.1920, 11.1059

Trichromacy



Original Color

36.2267, 18.1739, 55.6314



Protanomaly

19.9371, 13.3826, 74.2053



Deuteranomaly

21.5646, 15.0900, 51.0663



Tritanomaly

28.9625, 17.1193, 22.1999

Monochromacy



Original Color

36.2267, 18.1739, 55.6314



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

17.9150, 12.5505, 25.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2267, 18.1739, 55.6314 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(206, 30, 199)` looks like.

```
.text, #text, p{  
    color:rgb(206, 30, 199)  
}
```

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(206, 30, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 30, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.2267, 18.1739, 55.6314 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(206, 30, 199) }
```


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

```
.border{ border-color:rgb(206, 30, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 30, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 30, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 30, 199);  
box-shadow:4px 4px 4px 4px rgb(206, 30,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2267, 18.1739, 55.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 30, 199) }
```

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

```
.background{ background-color: rgb(206, 30,  
199) }
```

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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