

Converting Colors

XYZ(36.6105, 13.6374, 40.5789)

Have a look what the booklet for
XYZ(36.6105, 13.6374, 40.5789)
contains.

XYZ(39.6349, 19.5500, 41.7289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.6349, 19.5500,
41.7289)**

Conversions

Conversions Part 1

Format	Color
Hex	E400AE
RGB	228, 0, 174
RGB Percent	89%, 0%, 68%
CMY	0.1059, 0.9998, 0.3176
CMYK	0.00, 1.00, 0.24, 0.11
HSL	314°, 100%, 45%
HSV	314°, 100%, 89%
XYZ	39.6349, 19.5500, 41.7289
YIQ	88.0080, 80.0340, 102.4500

Conversions

Conversions Part 2

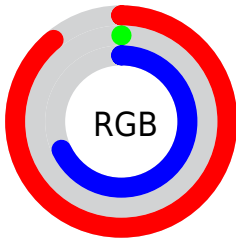
Format	Color
RYB	228, 0, 174
Decimal	14942382
CIELab	51.32, 83.36, -29.20
CIElCh	51, 88.324, 340.697
Yxy	19.5500, 0.3928, 0.1937
Android (android.graphics.Color)	4293132462 (0xFFE400AE)
YUV	88.0080, 42.3941, 122.7730
Hunter-Lab	44.2154, 82.6314, -25.0050

Details

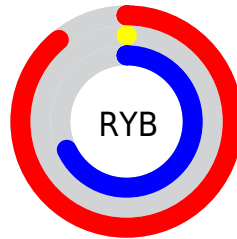
The XYZ color **39.6349, 19.5500, 41.7289** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.4110, 55.7541, 12.7599**, and the grayscale version is **9.1815, 9.6596, 10.5194**.

A 20% lighter version of the original color is **59.7058, 35.3389, 78.5372**, and **19.3875, 9.5960, 18.9195** is the 20% darker color. If you saturate the color by 10%, you get **39.6340, 19.5496, 41.7235**, and if you desaturate by 10%, it is **40.4757, 20.3717, 44.6598**.

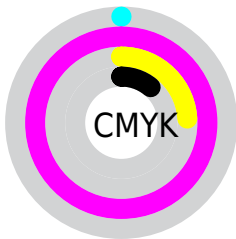
Distribution



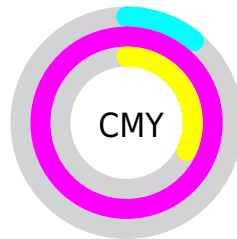
- Red (89%)
- Green (0%)
- Blue (68%)



- Red (89%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6349, 19.5500, 41.7289 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 39.6349, 19.5500, 41.7289 by changing the saturation by 10% instead.

 39.6349, 19.5500,
41.7289


 39.6349, 19.5500,
41.7289


335.7432,
249.4685, 369.1243

 27.4369, 12.0684,
28.5651


 73.8951, 42.6614,
79.0548


 18.0399, 6.7903,
18.5093


 96.6881, 59.0600,
104.0540


 11.0785, 3.3313,
11.1431


 123.7434, 79.1997,
133.8354

 6.1874, 1.3070,
6.0478

 155.4265,
103.4649, 168.8175

 3.0011, 0.1466,
2.8049

 192.1026,
132.2399, 209.4190

 1.1543, 0.0000,
0.9959

 234.1372,

 0.0698, 0.0000,

165.9093, 256.0582

0.0000

281.8956,
204.8574, 309.1538

■ 0.0000, 0.0000,
0.0000

■ 39.6349, 19.5500,
41.7289

■ 39.6349, 19.5500,
41.7289

■ 39.6340, 19.5496,
41.7235

■ 40.4757, 20.3717,
44.6598

■ 41.6944, 21.9149,
47.8221

■ 43.4058, 24.4090,
51.2556

■ 45.6760, 27.9859,
54.9834

■ 48.5608, 32.7563,
59.0251

■ 52.1089, 38.8176,
63.3981

■ 56.3640, 46.2569,
68.1182

■ 61.3661, 55.1536,
73.1997

■ 67.1520, 65.5812,
78.6559

Harmonies

Analogous

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



31.9858, 19.5500, 83.4685



39.6349, 19.5500, 41.7289



40.7370, 19.5500, 13.4814

Triad

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



39.6349, 19.5500, 41.7289



15.6071, 19.5500, 0.1189



8.4580, 19.5500, 71.2913

Complementary

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



39.6349, 19.5500, 41.7289



28.4110, 55.7541, 12.7599

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.



6.3988, 19.5500, 31.6393



39.6349, 19.5500, 41.7289



9.5688, 19.5500, 1.6122

Square

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



39.6349, 19.5500, 41.7289



24.7737, 19.5500, 0.3588



6.7281, 19.5500, 8.9252



13.5183, 19.5500, 107.9639

Rectangle

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



39.6349, 19.5500, 41.7289



37.3226, 19.5500, 4.8689



6.7281, 19.5500, 8.9252



7.4774, 19.5500, 56.9754

Sweetspot

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



39.6356, 19.5510, 41.7292



72.5283, 59.4074, 87.6714



15.4847, 6.3657, 73.8117



15.0033, 11.8005, 18.2018



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.



39.6356, 19.5510, 41.7292



51.0444, 25.1817, 53.5591



32.8334, 16.8302, 5.9094



14.8414, 14.5538, 17.3654



22.9343, 11.3079, 24.3467



1.7301, 0.8498, 1.9852

Inverse Universe

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



39.6356, 19.5510, 41.7292



51.0444, 25.1817, 53.5591



34.7388, 58.2852, 46.0815



14.8414, 14.5538, 17.3654



22.9343, 11.3079, 24.3467



1.7301, 0.8498, 1.9852

Previews

White Background



This preview shows how the XYZ color 39.6349, 19.5500, 41.7289 looks on a white background.

Color Contrast Check

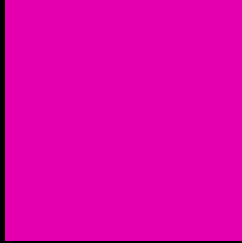
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6349, 19.5500, 41.7289 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 39.6349, 19.5500, 41.7289

Background



This preview shows how black text looks on a background with the XYZ color 39.6349, 19.5500, 41.7289.



This preview shows how white text looks on a background with the XYZ color 39.6349, 19.5500,

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

39.6349, 19.5500, 41.7289

Protanopia

24.3800, 20.5995, 90.6868

Deuteranopia

20.6406, 20.2082, 37.4630



Tritanopia

32.8130, 19.9398, 8.2502

Trichromacy



Original Color

39.6349, 19.5500, 41.7289



Protanomaly

21.6871, 13.5243, 69.1776



Deuteranomaly

23.4097, 15.3067, 38.2799



Tritanomaly

34.0924, 18.5935, 16.2600

Monochromacy



Original Color

39.6349, 19.5500, 41.7289



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3914, 9.6492, 18.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6349, 19.5500, 41.7289 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(228, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 174)  
}
```

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(228, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 39.6349, 19.5500, 41.7289 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(228, 0, 174) }
```


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

```
.border{ border-color:rgb(228, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6349, 19.5500, 41.7289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 174) }
```

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

```
.background{ background-color: rgb(228, 0,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor