

Converting Colors

XYZ(39.4366, 29.4435, 44.0117)

Have a look what the booklet for
XYZ(39.4366, 29.4435, 44.0117)
contains.

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Color

**XYZ(39.3562, 29.3655,
44.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	CC78AF
RGB	204, 120, 175
RGB Percent	80%, 47%, 69%
CMY	0.2000, 0.5294, 0.3137
CMYK	0.00, 0.41, 0.14, 0.20
HSL	321°, 45%, 64%
HSV	321°, 41%, 80%
XYZ	39.3562, 29.3655, 44.1512
YIQ	151.3860, 32.4090, 34.9130

Conversions

Conversions Part 2

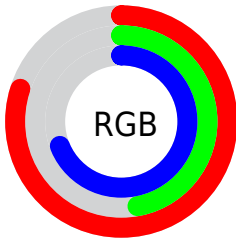
Format	Color
RYB	204, 120, 175
Decimal	13400239
CIELab	61.10, 40.33, -15.10
CIElCh	61, 43.066, 339.479
Yxy	29.3655, 0.3487, 0.2602
Android (android.graphics.Color)	4291590319 (0xFFCC78AF)
YUV	151.3860, 11.6417, 46.1425
Hunter-Lab	54.1899, 34.8057, -10.3735

Details

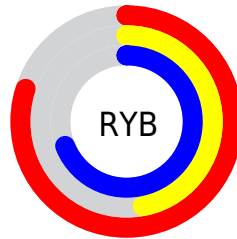
The XYZ color **39.3562, 29.3655, 44.1512** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.7648, 49.3497, 36.1292**, and the grayscale version is **29.5236, 31.0611, 33.8255**.

A 20% lighter version of the original color is **70.7999, 57.3016, 82.9301**, and **17.8537, 11.9573, 19.7793** is the 20% darker color. If you saturate the color by 10%, you get **36.4854, 24.7018, 39.8699**, and if you desaturate by 10%, it is **42.7875, 35.0916, 48.7980**.

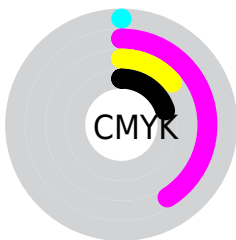
Distribution



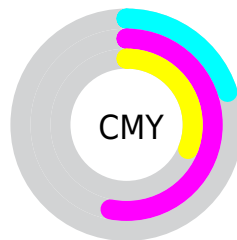
- Red (80%)
- Green (47%)
- Blue (69%)



- Red (80%)
- Yellow (47%)
- Blue (69%)



- Cyan (0%)
- Magenta (41%)
- Yellow (14%)
- Black (20%)





- Cyan (20%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3562, 29.3655, 44.1512 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 39.3562, 29.3655, 44.1512 by changing the saturation by 10% instead.


 39.3562, 29.3655,
44.1512


 39.3562, 29.3655,
44.1512


334.5837,
298.9356, 379.3843


 27.2189, 19.3575,
30.4513


 73.4727, 58.6573,
82.7501

 17.8751, 11.9289,
19.9265


 96.1827, 78.7099,
108.4862

 10.9595, 6.6953,
12.1581


 123.1476,
102.8794, 139.0715

 6.1067, 3.2723,
6.7276

154.7328,
131.5503, 174.9245

 2.9514, 1.2755,
3.2165

191.3037,
165.1070, 216.4637

 1.1281, 0.1221,
1.2062

233.2255,

 0.0484, 0.0000,

203.9339, 264.1078

0.0000

280.8637,
248.4153, 318.2751

■ 0.0000, 0.0000,
0.0000

■ 39.3562, 29.3655,
44.1512

■ 39.3562, 29.3655,
44.1512

■ 36.4854, 24.7018,
39.8699

■ 42.7875, 35.0916,
48.7980

■ 34.1383, 21.0293,
35.9382

■ 46.8077, 41.9372,
53.8214

■ 32.2780, 18.2742,
32.3415

■ 51.4464, 49.9603,
59.2343

■ 30.8611, 16.3509,
29.0623

■ 56.7304, 59.2138,
65.0480

■ 29.8362, 15.1573,
26.0807

■ 62.6848, 69.7470,
71.2734

■ 29.1750, 14.5467,
23.6666

■ 69.3334, 81.6069,
77.9208

■ 74.1578, 89.7558,
84.1533

■ 75.1349, 90.1466,
89.2986

■ 76.1521, 90.5535,
94.6549

Harmonies

Analogous

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



35.3938, 29.3655, 62.4570



39.3562, 29.3655, 44.1512



40.0396, 29.3655, 27.1245

Triad

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



39.3562, 29.3655, 44.1512



26.1619, 29.3655, 10.0742



20.3457, 29.3655, 56.0805

Complementary

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



39.3562, 29.3655, 44.1512



34.7648, 49.3497, 36.1292

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.



18.5183, 29.3655, 37.3697



39.3562, 29.3655, 44.1512



21.5651, 29.3655, 13.4863

Square

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



39.3562, 29.3655, 44.1512



31.8900, 29.3655, 10.8078



18.9324, 29.3655, 22.2710



24.2776, 29.3655, 70.8003

Rectangle

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



39.3562, 29.3655, 44.1512



38.4624, 29.3655, 18.9901



18.9324, 29.3655, 22.2710



19.4908, 29.3655, 49.8339

Sweetspot

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



39.3571, 29.3669, 44.1518



84.3986, 81.3447, 97.1875



29.8297, 24.0901, 60.2049



17.8372, 17.0158, 20.5420



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.



39.3571, 29.3669, 44.1518



61.0953, 41.9850, 67.0786



35.9226, 27.9931, 26.0658



11.5166, 11.3354, 13.2550



18.4082, 9.1739, 15.1344



0.9845, 0.4872, 0.9643

Inverse Universe

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



39.3571, 29.3669, 44.1518



61.0953, 41.9850, 67.0786



38.6340, 50.8973, 56.5040



11.5166, 11.3354, 13.2550



18.4082, 9.1739, 15.1344



0.9845, 0.4872, 0.9643

Previews

White Background



This preview shows how the XYZ color 39.3562, 29.3655, 44.1512 looks on a white background.

Color Contrast Check

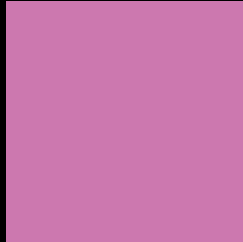
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.3562, 29.3655, 44.1512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

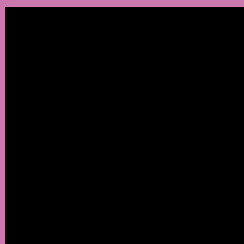
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.3562, 29.3655, 44.1512

Background



This preview shows how black text looks on a background with the XYZ color 39.3562, 29.3655, 44.1512.



This preview shows how white text looks on a background with the XYZ color 39.3562, 29.3655,

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

39.3562, 29.3655, 44.1512

Protanopia

29.8962, 29.5589, 54.5818

Deuteranopia

30.0864, 29.4661, 42.6299



Tritanopia

35.9241, 29.2642, 27.4221

Trichromacy



Original Color

39.3562, 29.3655, 44.1512



Protanomaly

32.3058, 28.9101, 50.3319



Deuteranomaly

32.6879, 28.8526, 42.8760



Tritanomaly

36.8810, 29.0672, 32.9448

Monochromacy



Original Color

39.3562, 29.3655, 44.1512



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

32.3008, 29.8403, 37.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3562, 29.3655, 44.1512 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(204, 120, 175)` looks like.

```
.text, #text, p{  
    color:rgb(204, 120, 175)  
}
```

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(204, 120, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 120, 175) }
```

Border

The CSS property to change the border of an element to XYZ 39.3562, 29.3655, 44.1512 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(204, 120, 175) }
```


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

```
.border{ border-color:rgb(204, 120, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 120, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 120, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 120, 175);  
box-shadow:4px 4px 4px 4px rgb(204, 120,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3562, 29.3655, 44.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 120, 175) }
```

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

```
.background{ background-color: rgb(204,  
120, 175) }
```

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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