

Converting Colors

XYZ(35.9872, 21.0077, 39.7114)

Have a look what the booklet for
XYZ(35.9872, 21.0077, 39.7114)
contains.

| | |
|--|----|
| XYZ(35.9299, 20.9465, 39.6855) | 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(35.9299, 20.9465,
39.6855)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D246A9 |
| RGB | 210, 70, 169 |
| RGB Percent | 82%, 27%, 66% |
| CMY | 0.1765, 0.7255, 0.3373 |
| CMYK | 0.00, 0.67, 0.20, 0.18 |
| HSL | 318°, 61%, 55% |
| HSV | 318°, 67%, 82% |
| XYZ | 35.9299, 20.9465, 39.6855 |
| YIQ | 123.1460, 51.6610, 60.4690 |

Conversions

Conversions Part 2

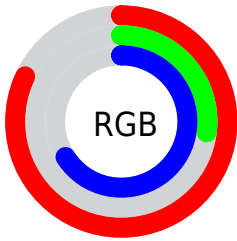
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 210, 70, 169 |
| Decimal | 13780649 |
| CIE Lab | 52.89, 64.58, -24.09 |
| CIE LCh | 53, 68.930, 339.548 |
| Yxy | 20.9465, 0.3721, 0.2169 |
| Android (android.graphics.Color) | 4291970729 (0xFFD246A9) |
| YUV | 123.1460, 22.6060, 76.1710 |
| Hunter-Lab | 45.7673, 60.0395, -19.3740 |

Details

The XYZ color **35.9299, 20.9465, 39.6855** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.4427, 48.5436, 22.9118**, and the grayscale version is **18.7918, 19.7704, 21.5300**.

A 20% lighter version of the original color is **62.4137, 42.0802, 75.3537**, and **16.1598, 7.9598, 17.5143** is the 20% darker color. If you saturate the color by 10%, you get **34.2745, 18.5379, 36.3517**, and if you desaturate by 10%, it is **38.0729, 24.2862, 43.3162**.

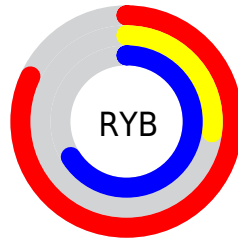
Distribution



Red (82%)

Green (27%)

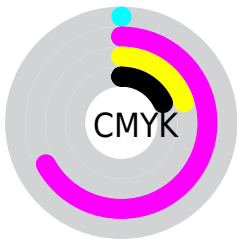
Blue (66%)



Red (82%)

Yellow (27%)

Blue (66%)

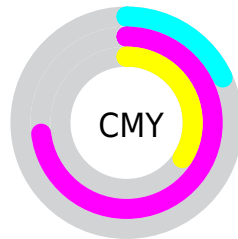


Cyan (0%)

Magenta (67%)

Yellow (20%)

Black (18%)



Cyan (18%)


Magenta (73%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9299, 20.9465, 39.6855 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 35.9299, 20.9465, 39.6855 by changing the saturation by 10% instead.


 35.9299, 20.9465,
39.6855


 35.9299, 20.9465,
39.6855


320.0906,
256.9940, 360.3088

 24.5499, 13.0849,
26.9815


 68.2484, 44.9985,
75.9162


 15.8690, 7.4870,
17.3270


 89.9177, 61.9576,
100.2800


 9.5218, 3.7685,
10.3035


 115.7474, 82.7181,
129.3675

 5.1429, 1.5449,
5.4924

 146.1030,
107.6643, 163.5971

 2.3669, 0.3200,
2.4752

 181.3497,
137.1806, 203.3876

 0.8286, 0.0000,
0.8270

221.8530,

 0.0000, 0.0000,

171.6514, 249.1573

0.0000

267.9782,
211.4611, 301.3249

■ 35.9299, 20.9465,
39.6855

■ 35.9299, 20.9465,
39.6855

■ 34.2745, 18.5379,
36.3517

■ 38.0729, 24.2862,
43.3162

■ 33.0541, 16.9566,
33.2949

■ 40.7449, 28.6403,
47.2589

■ 32.2039, 16.0736,
30.4919

■ 43.9851, 34.0861,
51.5285

■ 31.9632, 15.8556,
29.5996

■ 47.8283, 40.6926,
56.1384

■ 52.3063, 48.5232,
61.1009

■ 57.4489, 57.6365,
66.4275

■ 63.2837, 68.0876,
72.1290

■ 69.8368, 79.9279,
78.2159

■ 75.8410, 90.6227,
84.2672

Harmonies

Analogous

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



30.1060, 20.9465, 69.1698



35.9299, 20.9465, 39.6855



36.9502, 20.9465, 16.8346

Triad

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



35.9299, 20.9465, 39.6855



17.6967, 20.9465, 1.7845



11.0176, 20.9465, 58.5823

Complementary

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



35.9299, 20.9465, 39.6855



28.4427, 48.5436, 22.9118

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.



9.1276, 20.9465, 30.0478



35.9299, 20.9465, 39.6855



12.3217, 20.9465, 3.8468

Square

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



35.9299, 20.9465, 39.6855



25.1572, 20.9465, 2.1661



9.5390, 20.9465, 11.5559



15.4467, 20.9465, 83.9075

Rectangle

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



35.9299, 20.9465, 39.6855



34.5701, 20.9465, 8.2951



9.5390, 20.9465, 11.5559



10.1194, 20.9465, 48.5274

Sweetspot

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



35.9306, 20.9475, 39.6859



78.5705, 70.7408, 92.0008



20.2132, 12.3284, 62.2873



16.3946, 14.4023, 19.2235



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.



35.9306, 20.9475, 39.6859



52.3029, 27.5793, 54.3472



31.0858, 19.0096, 14.1737



12.1571, 11.9476, 14.1030



19.5428, 9.6899, 18.2962



1.1264, 0.5553, 1.2006

Inverse Universe

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



35.9306, 20.9475, 39.6859



52.3029, 27.5793, 54.3472



33.7775, 50.6776, 51.0047



12.1571, 11.9476, 14.1030



19.5428, 9.6899, 18.2962



1.1264, 0.5553, 1.2006

Previews

White Background



This preview shows how the XYZ color 35.9299, 20.9465, 39.6855 looks on a white background.

Color Contrast Check

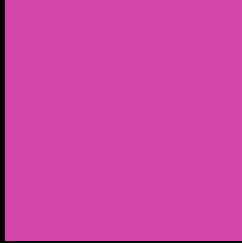
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9299, 20.9465, 39.6855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

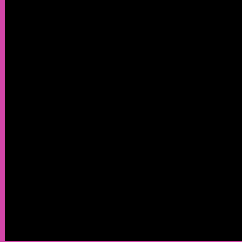
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.9299, 20.9465, 39.6855

Background



This preview shows how black text looks on a background with the XYZ color 35.9299, 20.9465, 39.6855.

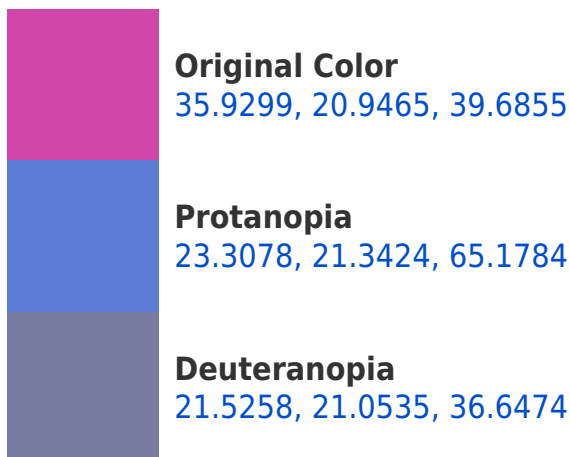


This preview shows how white text looks on a background with the XYZ color 35.9299, 20.9465,

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





Tritanopia

30.3961, 20.8534, 13.4894

Trichromacy



Original Color

35.9299, 20.9465, 39.6855



Protanomaly

24.7456, 18.9545, 54.5789



Deuteranomaly

24.7880, 19.3533, 37.5510



Tritanomaly

32.1220, 20.7384, 21.0488

Monochromacy



Original Color

35.9299, 20.9465, 39.6855



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

23.2015, 18.7626, 27.2096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9299, 20.9465, 39.6855 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(210, 70, 169)` looks like.

```
.text, #text, p{  
    color:rgb(210, 70, 169)  
}
```

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(210, 70, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 70, 169) }
```

Border

The CSS property to change the border of an element to XYZ 35.9299, 20.9465, 39.6855 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(210, 70, 169) }
```


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

```
.border{ border-color:rgb(210, 70, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 70, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 70, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 70, 169);  
box-shadow:4px 4px 4px 4px rgb(210, 70,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9299, 20.9465, 39.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 70, 169) }
```

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

```
.background{ background-color: rgb(210, 70,  
169) }
```

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