

Converting Colors

XYZ(39.9424, 24.5266, 69.8544)

Have a look what the booklet for
XYZ(39.9424, 24.5266, 69.8544)
contains.

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Color

**XYZ(39.9955, 24.5689,
69.6521)**

Conversions

Conversions Part 1

Format	Color
Hex	C75ADB
RGB	199, 90, 219
RGB Percent	78%, 35%, 86%
CMY	0.2196, 0.6470, 0.1412
CMYK	0.09, 0.59, 0.00, 0.14
HSL	291°, 64%, 61%
HSV	291°, 59%, 86%
XYZ	39.9955, 24.5689, 69.6521
YIQ	137.2970, 23.5550, 63.2270

Conversions

Conversions Part 2

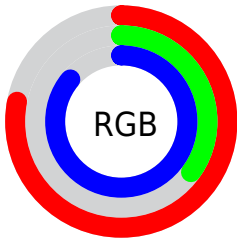
Format	Color
R _{YB}	199, 90, 219
Decimal	13064923
CIE Lab	56.65, 61.52, -47.06
CIE LCh	57, 77.459, 322.584
Yxy	24.5689, 0.2980, 0.1831
Android (android.graphics.Color)	4291255003 (0xFFC75ADB)
YUV	137.2970, 40.2796, 54.1135
Hunter-Lab	49.5670, 57.2889, -48.6180

Details

The XYZ color **39.9955, 24.5689, 69.6521** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **33.6082, 54.7168, 18.4640**, and the grayscale version is **23.7372, 24.9734, 27.1961**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **18.2562, 9.3751, 35.4977** is the 20% darker color. If you saturate the color by 10%, you get **37.5224, 20.9445, 69.0832**, and if you desaturate by 10%, it is **43.0346, 29.2938, 70.4043**.

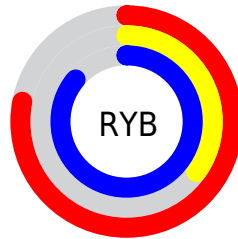
Distribution



Red (78%)

Green (35%)

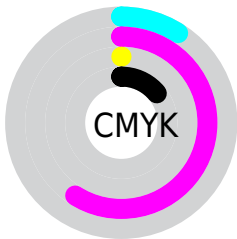
Blue (86%)



Red (78%)

Yellow (35%)

Blue (86%)

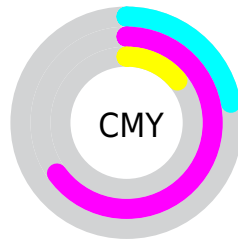


Cyan (9%)

Magenta (59%)

Yellow (0%)

Black (14%)



Cyan (22%)


Magenta (65%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9955, 24.5689, 69.6521 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 39.9955, 24.5689, 69.6521 by changing the saturation by 10% instead.


 39.9955, 24.5689,
69.6521


 39.9955, 24.5689,
69.6521

337.2393,
275.6842, 478.0836


 27.7192, 15.7562,
50.7679


 74.4410, 50.9570,
120.3889


 18.2535, 9.3518,
35.6485


 97.3410, 69.3011,
153.0787

 11.2329, 4.9713,
23.8753


 124.5130, 91.5912,
191.2074

 6.2922, 2.2305,
15.0298

 156.3222,
118.2116, 235.1935

 3.0659, 0.7365,
8.6934

193.1341,
149.5467, 285.4557

 1.1887, 0.0000,
4.4477

235.3140,

 0.0974, 0.0000,

185.9809, 342.4124

1.8740

283.2273,
227.8986, 406.4822

■ 0.0000, 0.0000,
0.4761

■ 0.0000, 0.0000,
0.0000

■ 39.9955, 24.5689,
69.6521

■ 39.9955, 24.5689,
69.6521

■ 37.5224, 20.9445,
69.0832

■ 43.0346, 29.2938,
70.4043

■ 35.5630, 18.3186,
68.6797


■ 46.6803, 35.2029,
71.3527


■ 34.0598, 16.5757,
68.4225


■ 50.9728, 42.3751,
72.5109


■ 32.9216, 15.5334,
68.2813


■ 55.9478, 50.8821,
73.8907


 32.8054, 15.4347,
68.2684

 61.6385, 60.7897,
75.5031

 68.0756, 72.1595,
77.3584

 75.2884, 85.0496,
79.4663

 79.9617, 92.8298,
80.7217

 81.0381, 93.3846,
80.7721

Harmonies

Analogous

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



30.6587, 24.5689, 103.7125



39.9955, 24.5689, 69.6521



45.0943, 24.5689, 33.6817

Triad

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



39.9955, 24.5689, 69.6521



25.6608, 24.5689, 1.5482



10.7284, 24.5689, 50.6937

Complementary

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



39.9955, 24.5689, 69.6521



33.6082, 54.7168, 18.4640

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.



10.0389, 24.5689, 20.8435



39.9955, 24.5689, 69.6521



17.3095, 24.5689, 2.1129

Square

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



39.9955, 24.5689, 69.6521



35.5421, 24.5689, 3.5250



12.1160, 24.5689, 6.5086



14.3265, 24.5689, 88.6941

Rectangle

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



39.9955, 24.5689, 69.6521



44.6749, 24.5689, 17.3305



12.1160, 24.5689, 6.5086



10.1942, 24.5689, 39.0854

Sweetspot

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



39.9964, 24.5700, 69.6526



79.5453, 72.8053, 104.4681



22.7427, 18.7676, 69.4420



16.5581, 14.7767, 22.2294



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.



39.9964, 24.5700, 69.6526



52.1522, 28.4306, 97.3467



40.7068, 25.5079, 43.8533



13.4058, 13.1673, 16.4871



19.5278, 9.1911, 40.4832



1.3197, 0.6236, 2.6253

Inverse Universe

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



35.6848, 23.4991, 17.4078



46.0847, 27.1106, 15.3793



33.7824, 54.5307, 30.9365



13.1379, 13.0843, 13.9876



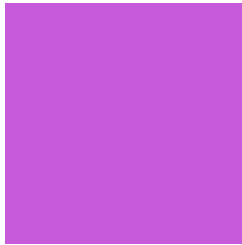
17.5187, 9.0085, 1.8453



1.1612, 0.5941, 0.2578

Previews

White Background



This preview shows how the XYZ color 39.9955, 24.5689, 69.6521 looks on a white background.

Color Contrast Check

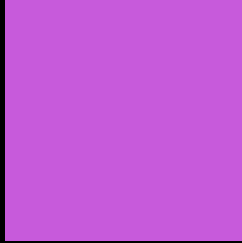
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9955, 24.5689, 69.6521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

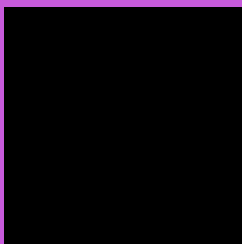
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9955, 24.5689, 69.6521

Background



This preview shows how black text looks on a background with the XYZ color 39.9955, 24.5689, 69.6521.



This preview shows how white text looks on a background with the XYZ color 39.9955, 24.5689,

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

39.9955, 24.5689, 69.6521

Protanopia

28.8998, 25.0621, 97.9220

Deuteranopia

25.5990, 24.9081, 65.0866



Tritanopia

30.1968, 24.4106, 22.5222

Trichromacy



Original Color

39.9955, 24.5689, 69.6521



Protanomaly

29.8595, 22.9849, 86.8672



Deuteranomaly

28.7261, 23.1996, 66.5823



Tritanomaly

33.0016, 24.0950, 35.7123

Monochromacy



Original Color

39.9955, 24.5689, 69.6521



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

28.1887, 23.6965, 39.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9955, 24.5689, 69.6521 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(199, 90, 219)` looks like.

```
.text, #text, p{  
    color:rgb(199, 90, 219)  
}
```

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(199, 90, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 90, 219) }
```

Border

The CSS property to change the border of an element to XYZ 39.9955, 24.5689, 69.6521 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(199, 90, 219) }
```


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

```
.border{ border-color:rgb(199, 90, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 90, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 90, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 90, 219);  
box-shadow:4px 4px 4px 4px rgb(199, 90,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9955, 24.5689, 69.6521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 90, 219) }
```

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

```
.background{ background-color: rgb(199, 90,  
219) }
```

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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