

Converting Colors

XYZ(39.6856, 21.7597, 44.3419)

Have a look what the booklet for
XYZ(39.6856, 21.7597, 44.3419)
contains.

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Color

**XYZ(39.6731, 21.7701,
44.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3AB2
RGB	222, 58, 178
RGB Percent	87%, 23%, 70%
CMY	0.1294, 0.7725, 0.3020
CMYK	0.00, 0.74, 0.20, 0.13
HSL	316°, 71%, 55%
HSV	316°, 74%, 87%
XYZ	39.6731, 21.7701, 44.2305
YIQ	120.7160, 59.2240, 72.0880

Conversions

Conversions Part 2

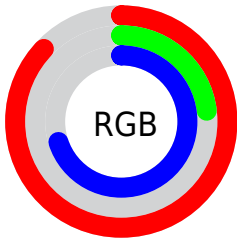
Format	Color
R _Y B	222, 58, 178
Decimal	14564018
CIE Lab	53.78, 72.89, -27.81
CIE LCh	54, 78.010, 339.117
Yxy	21.7701, 0.3754, 0.2060
Android (android.graphics.Color)	4292754098 (0xFFDE3AB2)
YUV	120.7160, 28.2410, 88.8261
Hunter-Lab	46.6584, 70.1241, -23.5439

Details

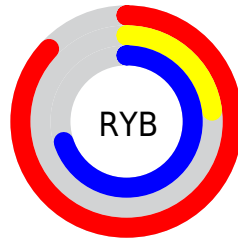
The XYZ color **39.6731, 21.7701, 44.2305** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **30.2657, 54.1021, 21.4207**, and the grayscale version is **17.9826, 18.9191, 20.6029**.

A 20% lighter version of the original color is **62.8078, 40.6335, 82.3746**, and **18.8059, 9.2672, 20.1996** is the 20% darker color. If you saturate the color by 10%, you get **38.2001, 19.7602, 40.8526**, and if you desaturate by 10%, it is **41.6556, 24.7568, 47.9067**.

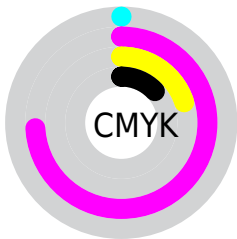
Distribution



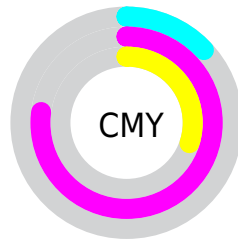
- Red (87%)
- Green (23%)
- Blue (70%)



- Red (87%)
- Yellow (23%)
- Blue (70%)



- Cyan (0%)
- Magenta (74%)
- Yellow (20%)
- Black (13%)





- Cyan (13%)
- Magenta (77%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6731, 21.7701, 44.2305 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 39.6731, 21.7701, 44.2305 by changing the saturation by 10% instead.


 39.6731, 21.7701,
44.2305


 39.6731, 21.7701,
44.2305

335.9019,
261.3433, 379.7169

 27.4668, 13.6881,
30.5132


 73.9530, 46.3657,
82.8706


 18.0625, 7.9040,
19.9731

 96.7573, 63.6481,
108.6306


 11.0949, 4.0336,
12.1916


 123.8250, 84.7661,
139.2419

 6.1984, 1.6924,
6.7502

 155.5215,
110.1040, 175.1230

 3.0079, 0.4187,
3.2303

 192.2120,
140.0463, 216.6925

 1.1580, 0.0000,
1.2134

234.2621,

 0.0728, 0.0000,

174.9774, 264.3690

0.0000

282.0369,
215.2816, 318.5710

■ 0.0000, 0.0000,
0.0000

■ 39.6731, 21.7701,
44.2305

■ 39.6731, 21.7701,
44.2305

■ 38.2001, 19.7602,
40.8526

■ 41.6556, 24.7568,
47.9067

■ 37.1671, 18.5897,
37.7477


■ 44.2009, 28.8273,
51.9001

■ 36.6847, 18.1538,
35.9563


■ 47.3577, 34.0781,
56.2286


■ 51.1687, 40.5943,
60.9079

■ 55.6727, 48.4530,
65.9526

 60.9055, 57.7250,
71.3759

 66.9001, 68.4764,
77.1903

 73.6876, 80.7687,
83.4077

 80.3943, 92.8536,
89.7381

Harmonies

Analogous

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



32.6018, 21.7701, 80.4901



39.6731, 21.7701, 44.2305



41.0060, 21.7701, 17.1228

Triad

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



39.6731, 21.7701, 44.2305



18.2442, 21.7701, 1.1042



10.5458, 21.7701, 66.3162

Complementary

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



39.6731, 21.7701, 44.2305



30.2657, 54.1021, 21.4207

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.



8.5189, 21.7701, 31.7863



39.6731, 21.7701, 44.2305



12.1059, 21.7701, 2.9091

Square

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



39.6731, 21.7701, 44.2305



26.9775, 21.7701, 1.4521



9.0004, 21.7701, 10.7745



15.4673, 21.7701, 98.1497

Rectangle

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



39.6731, 21.7701, 44.2305



38.1842, 21.7701, 7.6021



9.0004, 21.7701, 10.7745



9.5730, 21.7701, 53.9630

Sweetspot

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



39.6738, 21.7712, 44.2309



77.3608, 68.3490, 91.5128



20.1487, 11.1108, 70.1901



16.1671, 13.9408, 19.1676



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.



39.6738, 21.7712, 44.2309



51.4061, 25.9927, 53.4098



33.7619, 19.4064, 13.0992



14.1298, 13.8696, 16.4539



21.8384, 10.8024, 21.6128



1.5504, 0.7634, 1.6910

Inverse Universe

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



39.6738, 21.7712, 44.2309



51.4061, 25.9927, 53.4098



36.4910, 56.5922, 54.2026



14.1298, 13.8696, 16.4539



21.8384, 10.8024, 21.6128



1.5504, 0.7634, 1.6910

Previews

White Background



This preview shows how the XYZ color 39.6731, 21.7701, 44.2305 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 39.6731, 21.7701, 44.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

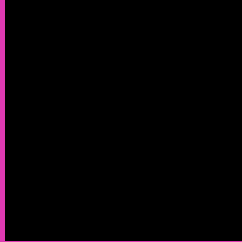
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6731, 21.7701, 44.2305

Background



This preview shows how black text looks on a background with the XYZ color 39.6731, 21.7701, 44.2305.



This preview shows how white text looks on a background with the XYZ color 39.6731, 21.7701,

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

39.6731, 21.7701, 44.2305

Protanopia

25.1682, 22.3676, 79.3348

Deuteranopia

22.4030, 21.9990, 40.1112



Tritanopia

32.9477, 21.7070, 12.3509

Trichromacy



Original Color

39.6731, 21.7701, 44.2305



Protanomaly

25.7433, 18.8067, 64.5606



Deuteranomaly

26.1024, 19.6494, 41.4467



Tritanomaly

34.7749, 21.3507, 21.0271

Monochromacy



Original Color

39.6731, 21.7701, 44.2305



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

23.3507, 17.9575, 27.8266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6731, 21.7701, 44.2305 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(222, 58, 178)` looks like.

```
.text, #text, p{  
    color:rgb(222, 58, 178)  
}
```

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(222, 58, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 58, 178) }
```

Border

The CSS property to change the border of an element to XYZ 39.6731, 21.7701, 44.2305 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(222, 58, 178) }
```


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

```
.border{ border-color:rgb(222, 58, 178) }
```

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

Here you see how a box with a 4 pixel rgb(222, 58, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 58, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 58, 178);  
box-shadow:4px 4px 4px 4px rgb(222, 58,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6731, 21.7701, 44.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 58, 178) }
```

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

```
.background{ background-color: rgb(222, 58,  
178) }
```

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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