

Converting Colors

XYZ(44.5529, 24.7399, 67.7623)

Have a look what the booklet for
XYZ(44.5529, 24.7399, 67.7623)
contains.

XYZ(44.5333, 24.7622, 68.0781)	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(44.5333, 24.7622,
68.0781)**

Conversions

Conversions Part 1

Format	Color
Hex	DD46D9
RGB	221, 70, 217
RGB Percent	87%, 27%, 85%
CMY	0.1333, 0.7255, 0.1490
CMYK	0.00, 0.68, 0.02, 0.13
HSL	302°, 69%, 57%
HSV	302°, 68%, 87%
XYZ	44.5333, 24.7622, 68.0781
YIQ	131.9070, 42.8090, 77.7290

Conversions

Conversions Part 2

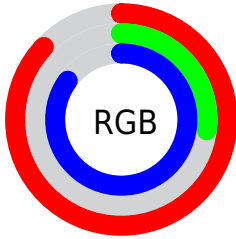
Format	Color
R _{YB}	221, 70, 217
Decimal	14501593
CIE _{Lab}	56.84, 74.37, -45.43
CIE _{LCh}	57, 87.145, 328.581
Yxy	24.7622, 0.3242, 0.1803
Android (android.graphics.Color)	4292691673 (0xFFDD46D9)
YUV	131.9070, 41.9508, 78.1346
Hunter-Lab	49.7616, 72.6626, -46.2806

Details

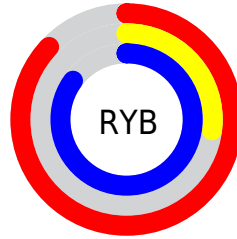
The XYZ color **44.5333, 24.7622, 68.0781** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.6194, 53.5104, 15.2474**, and the grayscale version is **21.7430, 22.8753, 24.9112**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **21.3333, 10.2546, 34.5732** is the 20% darker color. If you saturate the color by 10%, you get **43.3207, 22.4580, 67.2990**, and if you desaturate by 10%, it is **46.2564, 28.0856, 69.0291**.

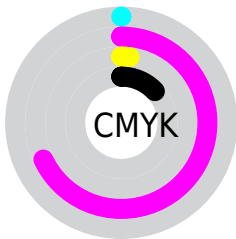
Distribution



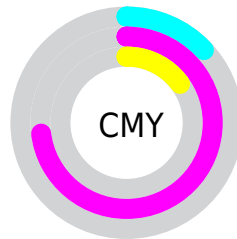
- Red (87%)
- Green (27%)
- Blue (85%)



- Red (87%)
- Yellow (27%)
- Blue (85%)



- Cyan (0%)
- Magenta (68%)
- Yellow (2%)
- Black (13%)





- Cyan (13%)
- Magenta (73%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5333, 24.7622, 68.0781 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 44.5333, 24.7622, 68.0781 by changing the saturation by 10% instead.


 44.5333, 24.7622,
68.0781


 44.5333, 24.7622,
68.0781


355.6957,
276.6516, 472.3783


 31.2897, 15.9000,
49.4942

 81.2610, 51.2712,
118.1191


 20.9725, 9.4534,
34.6433


 105.4758, 69.6867,
150.4133


 13.2162, 5.0381,
23.1069


 134.0784, 92.0555,
188.1147

 7.6556, 2.2696,
14.4664

 167.4342,
118.7619, 231.6418

 3.9253, 0.7576,
8.3033

 205.9084,
150.1903, 281.4132

 1.6600, 0.0000,
4.1991

249.8665,

 0.4310, 0.0000,

186.7251, 337.8474

1.7352

299.6738,
228.7508, 401.3629

■ 0.0000, 0.0000,
0.3847

■ 0.0000, 0.0000,
0.0000

■ 44.5333, 24.7622,
68.0781

■ 44.5333, 24.7622,
68.0781

■ 43.3207, 22.4580,
67.2990

■ 46.2564, 28.0856,
69.0291

■ 42.5569, 21.0517,
66.6706


■ 48.5373, 32.5248,
70.1672


■ 42.1565, 20.3717,
66.1646


■ 51.4209, 38.1691,
71.5076


■ 42.1036, 20.2861,
66.0847


■ 54.9471, 45.0979,
73.0634

 59.1519, 53.3838,
74.8468

 64.0691, 63.0938,
76.8691

 69.7299, 74.2908,
79.1405

 76.1639, 87.0336,
81.6710

 78.8003, 92.1808,
82.9370

Harmonies

Analogous

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



34.2109, 24.7622, 112.3775



44.5333, 24.7622, 68.0781



49.0654, 24.7622, 28.3758

Triad

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



44.5333, 24.7622, 68.0781



24.0244, 24.7622, 0.7611



10.1803, 24.7622, 63.7109

Complementary

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



44.5333, 24.7622, 68.0781



29.6194, 53.5104, 15.2474

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.



8.8777, 24.7622, 25.5956



44.5333, 24.7622, 68.0781



15.3502, 24.7622, 1.6077

Square

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



44.5333, 24.7622, 68.0781



35.3010, 24.7622, 1.8293



10.4604, 24.7622, 7.0112



14.7267, 24.7622, 108.8160

Rectangle

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



44.5333, 24.7622, 68.0781



47.4268, 24.7622, 12.7407



10.4604, 24.7622, 7.0112



9.4185, 24.7622, 49.0911

Sweetspot

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



44.5342, 24.7633, 68.0786



80.6660, 71.5790, 103.0358



17.9536, 10.9997, 69.5844



16.9031, 14.6056, 21.9009



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.



44.5342, 24.7633, 68.0786



59.3838, 30.0745, 92.6741



36.9668, 21.7364, 28.2289



13.5987, 13.2686, 16.4140



24.4654, 11.7872, 38.4262



1.5898, 0.7656, 2.5148

Inverse Universe

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



44.5342, 24.7633, 68.0786



59.3838, 30.0745, 92.6741



33.7300, 55.1547, 36.8938



13.5987, 13.2686, 16.4140



24.4654, 11.7872, 38.4262



1.5898, 0.7656, 2.5148

Previews

White Background



This preview shows how the XYZ color 44.5333, 24.7622, 68.0781 looks on a white background.

Color Contrast Check

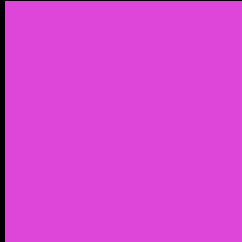
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5333, 24.7622, 68.0781 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 44.5333, 24.7622, 68.0781

Background



This preview shows how black text looks on a background with the XYZ color 44.5333, 24.7622, 68.0781.



This preview shows how white text looks on a background with the XYZ color 44.5333, 24.7622,

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

44.5333, 24.7622, 68.0781

Protanopia

29.0361, 25.3347, 97.9675

Deuteranopia

25.7756, 25.0564, 62.5093



Tritanopia

34.1141, 24.6036, 17.9899

Trichromacy



Original Color

44.5333, 24.7622, 68.0781



Protanomaly

30.0573, 21.9384, 85.8694



Deuteranomaly

29.5847, 22.4945, 64.4106



Tritanomaly

36.7727, 24.0024, 31.5490

Monochromacy



Original Color

44.5333, 24.7622, 68.0781



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.3893, 21.4741, 37.3517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5333, 24.7622, 68.0781 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(221, 70, 217)` looks like.

```
.text, #text, p{  
    color:rgb(221, 70, 217)  
}
```

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(221, 70, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 70, 217) }
```

Border

The CSS property to change the border of an element to XYZ 44.5333, 24.7622, 68.0781 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(221, 70, 217) }
```


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

```
.border{ border-color:rgb(221, 70, 217) }
```

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

Here you see how a box with a 4 pixel rgb(221, 70, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 70, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 70, 217);  
box-shadow:4px 4px 4px 4px rgb(221, 70,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5333, 24.7622, 68.0781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 70, 217) }
```

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

```
.background{ background-color: rgb(221, 70,  
217) }
```

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