

Converting Colors

XYZ(45.5848, 21.9852, 70.5662)

Have a look what the booklet for
XYZ(45.5848, 21.9852, 70.5662)
contains.

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Color

**XYZ(45.6843, 22.0435,
70.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	E600DD
RGB	230, 0, 221
RGB Percent	90%, 0%, 87%
CMY	0.0980, 0.9998, 0.1333
CMYK	0.00, 1.00, 0.04, 0.10
HSL	302°, 100%, 45%
HSV	302°, 100%, 90%
XYZ	45.6843, 22.0435, 70.2536
YIQ	93.9640, 66.1390, 117.4910

Conversions

Conversions Part 2

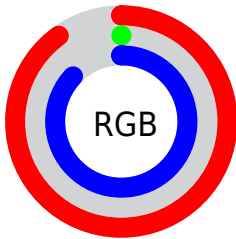
Format	Color
RYB	230, 0, 221
Decimal	15073501
CIELab	54.07, 89.62, -52.01
CIElCh	54, 103.620, 329.875
Yxy	22.0435, 0.3311, 0.1598
Android (android.graphics.Color)	4293263581 (0xFFE600DD)
YUV	93.9640, 62.6287, 119.3036
Hunter-Lab	46.9505, 91.5227, -55.8522

Details

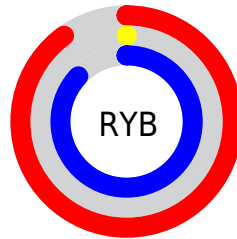
The XYZ color **45.6843, 22.0435, 70.2536** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **28.3472, 56.6144, 9.6932**, and the grayscale version is **10.4824, 11.0283, 12.0098**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.1537, 11.1516, 36.5295** is the 20% darker color. If you saturate the color by 10%, you get **45.6845, 22.0436, 70.2528**, and if you desaturate by 10%, it is **46.1122, 22.7062, 70.9898**.

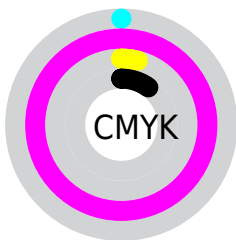
Distribution



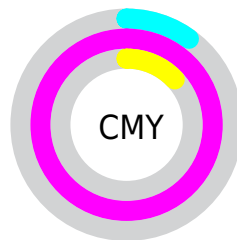
- Red (90%)
- Green (0%)
- Blue (87%)



- Red (90%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6843, 22.0435, 70.2536 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 45.6843, 22.0435, 70.2536 by changing the saturation by 10% instead.

 45.6843, 22.0435,
70.2536


 45.6843, 22.0435,
70.2536


360.2752,
262.7734, 480.2531


 32.2003, 13.8889,
51.2552


 82.9771, 46.8179,
121.2548


 21.6709, 8.0434,
36.0336


 107.5166, 64.2064,
154.0948

 13.7305, 4.1227,
24.1703


 136.4721, 85.4417,
192.3857

 8.0139, 1.7425,
15.2466

 170.2088,
110.9082, 236.5460

 4.1557, 0.4509,
8.8441

 209.0921,
140.9902, 286.9944

 1.7906, 0.0000,
4.5442

253.4873,

 0.5120, 0.0000,

176.0721, 344.1494

1.9284

303.7599,
216.5384, 408.4294

■ 0.0000, 0.0000,
0.5107

■ 0.0000, 0.0000,
0.0000

■ 45.6843, 22.0435,
70.2536

■ 45.6843, 22.0435,
70.2536

■ 45.6845, 22.0436,
70.2528

■ 46.1122, 22.7062,
70.9898

■ 46.9046, 24.0973,
71.8505

■ 48.1782, 26.4500,
72.8748

■ 50.0005, 29.8990,
74.0852

■ 52.4280, 34.5575,
75.5005

■ 55.5105, 40.5249,
77.1373

■ 59.2924, 47.8899,
79.0105

■ 63.8142, 56.7338,
81.1335

■ 69.1135, 67.1315,
83.5189

Harmonies

Analogous

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



33.6325, 22.0435, 127.2498



45.6843, 22.0435, 70.2536



50.7589, 22.0435, 24.1371

Triad

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



45.6843, 22.0435, 70.2536



20.9989, 22.0435, 0.0000



7.2643, 22.0435, 69.7753

Complementary

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



45.6843, 22.0435, 70.2536



28.3472, 56.6144, 9.6932

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.



5.9399, 22.0435, 23.8666



45.6843, 22.0435, 70.2536



11.9417, 22.0435, 0.2362

Square

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



45.6843, 22.0435, 70.2536



33.7448, 22.0435, 0.2521



7.2876, 22.0435, 4.4342



11.8856, 22.0435, 126.8390

Rectangle

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



45.6843, 22.0435, 70.2536



48.4773, 22.0435, 8.5334



7.2876, 22.0435, 4.4342



6.5116, 22.0435, 51.7129

Sweetspot

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



45.6852, 22.0446, 70.2540



74.8317, 60.3288, 99.8008



14.3800, 5.7638, 75.2185



15.5611, 12.0237, 21.1391



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.



45.6852, 22.0446, 70.2540



57.7243, 27.8537, 88.7353



35.3066, 17.8931, 15.6009



14.9695, 14.6050, 18.0396



25.8748, 12.4841, 39.8310



1.9197, 0.9256, 2.9836

Inverse Universe

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



45.6852, 22.0446, 70.2540



57.7243, 27.8537, 88.7353



31.8532, 58.0168, 28.1555



14.9695, 14.6050, 18.0396



25.8748, 12.4841, 39.8310



1.9197, 0.9256, 2.9836

Previews

White Background



This preview shows how the XYZ color 45.6843, 22.0435, 70.2536 looks on a white background.

Color Contrast Check

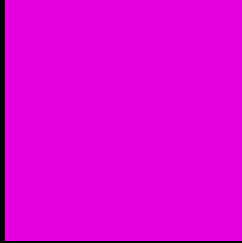
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6843, 22.0435, 70.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

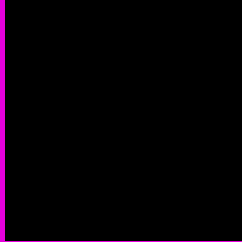
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.6843, 22.0435, 70.2536

Background



This preview shows how black text looks on a background with the XYZ color 45.6843, 22.0435, 70.2536.



This preview shows how white text looks on a background with the XYZ color 45.6843, 22.0435,

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

45.6843, 22.0435, 70.2536

Protanopia

26.9548, 23.0769, 97.6413

Deuteranopia

23.4319, 22.8129, 62.8428



Tritanopia

33.9552, 22.3408, 12.6478

Trichromacy



Original Color

45.6843, 22.0435, 70.2536



Protanomaly

26.1903, 16.0008, 86.5021



Deuteranomaly

25.7510, 16.4796, 64.7744



Tritanomaly

36.1506, 20.1261, 26.4055

Monochromacy



Original Color

45.6843, 22.0435, 70.2536



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.6772, 10.9648, 25.9957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6843, 22.0435, 70.2536 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(230, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 221)  
}
```

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(230, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.6843, 22.0435, 70.2536 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(230, 0, 221) }
```


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

```
.border{ border-color:rgb(230, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6843, 22.0435, 70.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 221) }
```

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

```
.background{ background-color: rgb(230, 0,  
221) }
```

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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