

Converting Colors

XYZ(45.8759, 22.1016, 72.0988)

Have a look what the booklet for
XYZ(45.8759, 22.1016, 72.0988)
contains.

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Color

**XYZ(46.0877, 22.2048,
72.3779)**

Conversions

Conversions Part 1

Format	Color
Hex	E600E0
RGB	230, 0, 224
RGB Percent	90%, 0%, 88%
CMY	0.0980, 0.9999, 0.1216
CMYK	0.00, 1.00, 0.03, 0.10
HSL	302°, 100%, 45%
HSV	302°, 100%, 90%
XYZ	46.0877, 22.2048, 72.3779
YIQ	94.3060, 65.1760, 118.4240

Conversions

Conversions Part 2

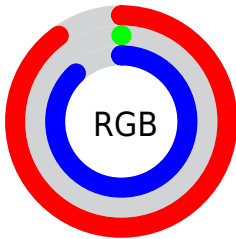
Format	Color
RYB	230, 0, 224
Decimal	15073504
CIELab	54.24, 90.04, -53.44
CIELCh	54, 104.702, 329.311
Yxy	22.2048, 0.3276, 0.1578
Android (android.graphics.Color)	4293263584 (0xFFE600E0)
YUV	94.3060, 63.9391, 119.0036
Hunter-Lab	47.1220, 92.1187, -58.0822

Details

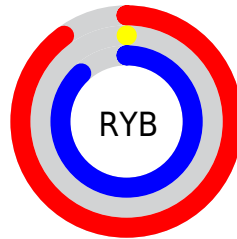
The XYZ color **46.0877, 22.2048, 72.3779** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **28.3307, 56.6079, 9.6066**, and the grayscale version is **10.5593, 11.1092, 12.0979**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.4301, 11.2622, 37.9847** is the 20% darker color. If you saturate the color by 10%, you get **46.0881, 22.2050, 72.3775**, and if you desaturate by 10%, it is **46.4769, 22.8519, 72.9101**.

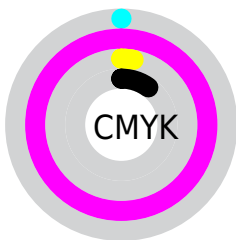
Distribution



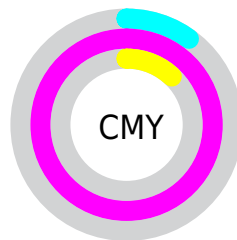
- Red (90%)
- Green (0%)
- Blue (88%)



- Red (90%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0877, 22.2048, 72.3779 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 46.0877, 22.2048, 72.3779 by changing the saturation by 10% instead.


 46.0877, 22.2048,
72.3779


 46.0877, 22.2048,
72.3779


361.8711,
263.6139, 487.8687


 32.5199, 14.0075,
52.9787


 83.5773, 47.0843,
124.3064


 21.9164, 8.1259,
37.3982


 108.2298, 64.5352,
157.6727


 13.9118, 4.1756,
25.2177


 137.3080, 85.8394,
196.5319

 8.1406, 1.7723,
16.0188

 171.1772,
111.3813, 241.3024

 4.2376, 0.4698,
9.3830

 210.2028,
141.5453, 292.4028

 1.8374, 0.0000,
4.8916

254.7501,

 0.5401, 0.0000,

176.7158, 350.2516

2.1262

305.1844,
217.2772, 415.2674

■ 0.0000, 0.0000,
0.6313

■ 0.0000, 0.0000,
0.0000

■ 46.0877, 22.2048,
72.3779

■ 46.0877, 22.2048,
72.3779

■ 46.0881, 22.2050,
72.3775

■ 46.4769, 22.8519,
72.9101

■ 47.2300, 24.2272,
73.5649

■ 48.4641, 26.5640,
74.3815

■ 50.2465, 29.9968,
75.3822

■ 52.6338, 34.6391,
76.5860

■ 55.6756, 40.5899,
78.0094

■ 59.4165, 47.9384,
79.6672

■ 63.8969, 56.7655,
81.5730

■ 69.1544, 67.1463,
83.7392

Harmonies

Analogous

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



33.7406, 22.2048, 130.4294



46.0877, 22.2048, 72.3779



51.4411, 22.2048, 24.9389

Triad

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



46.0877, 22.2048, 72.3779



21.3693, 22.2048, 0.0000



7.1915, 22.2048, 69.6996

Complementary

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



46.0877, 22.2048, 72.3779



28.3307, 56.6079, 9.6066

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.



5.9095, 22.2048, 23.4312



46.0877, 22.2048, 72.3779



12.0985, 22.2048, 0.1557

Square

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



46.0877, 22.2048, 72.3779



34.3678, 22.2048, 0.2437



7.3207, 22.2048, 4.2180



11.7866, 22.2048, 128.1244

Rectangle

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



46.0877, 22.2048, 72.3779



49.2449, 22.2048, 8.8042



7.3207, 22.2048, 4.2180



6.4519, 22.2048, 51.4072

Sweetspot

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



46.0886, 22.2059, 72.3783



74.9903, 60.3922, 100.6360



14.3319, 5.7390, 75.2164



15.5997, 12.0391, 21.3427



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.



46.0886, 22.2059, 72.3783



58.2370, 28.0588, 91.4348



35.5135, 17.9758, 16.6905



14.9780, 14.6084, 18.0847



26.0996, 12.5741, 41.0151



1.9338, 0.9313, 3.0581

Inverse Universe

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



46.0886, 22.2059, 72.3783



58.2370, 28.0588, 91.4348



31.6185, 57.9230, 26.9197



14.9780, 14.6084, 18.0847



26.0996, 12.5741, 41.0151



1.9338, 0.9313, 3.0581

Previews

White Background



This preview shows how the XYZ color 46.0877, 22.2048, 72.3779 looks on a white background.

Color Contrast Check

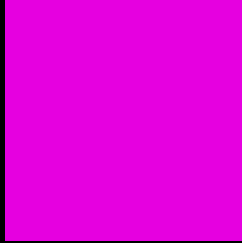
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0877, 22.2048, 72.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

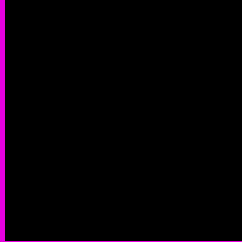
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.0877, 22.2048, 72.3779

Background



This preview shows how black text looks on a background with the XYZ color 46.0877, 22.2048, 72.3779.



This preview shows how white text looks on a background with the XYZ color 46.0877, 22.2048,

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

46.0877, 22.2048, 72.3779

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.4955, 22.8170, 64.1386



Tritanopia

33.8290, 22.3865, 13.1277

Trichromacy



Original Color

46.0877, 22.2048, 72.3779



Protanomaly

26.4740, 16.1295, 87.3059



Deuteranomaly

25.8402, 16.4961, 66.1121



Tritanomaly

36.0407, 20.1236, 27.1840

Monochromacy



Original Color

46.0877, 22.2048, 72.3779



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.7513, 10.9944, 26.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0877, 22.2048, 72.3779 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 46.0877, 22.2048, 72.3779 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, 224) }
```


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

```
.border{ border-color:rgb(230, 0, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0877, 22.2048, 72.3779 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, 224) }
```

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

```
.background{ background-color: rgb(230, 0,  
224) }
```

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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