

Converting Colors

XYZ(46.6946, 22.6204, 67.7668)

Have a look what the booklet for
XYZ(46.6946, 22.6204, 67.7668)
contains.

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Color

**XYZ(46.7853, 22.6719,
67.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00D9
RGB	235, 0, 217
RGB Percent	92%, 0%, 85%
CMY	0.0784, 0.9998, 0.1490
CMYK	0.00, 1.00, 0.08, 0.08
HSL	305°, 100%, 46%
HSV	305°, 100%, 92%
XYZ	46.7853, 22.6719, 67.5559
YIQ	95.0030, 70.4030, 117.3070

Conversions

Conversions Part 2

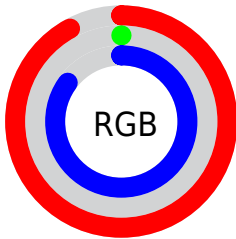
Format	Color
R_{YB}	235, 0, 217
Decimal	15401177
CIE _{Lab}	54.73, 89.90, -48.63
CIE _{LCh}	55, 102.211, 331.591
Yxy	22.6719, 0.3415, 0.1655
Android (android.graphics.Color)	4293591257 (0xFFEB00D9)
YUV	95.0030, 60.1445, 122.7774
Hunter-Lab	47.6150, 92.0633, -50.7898

Details

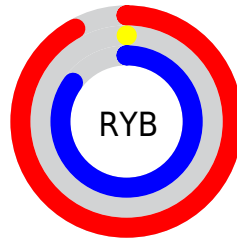
The XYZ color **46.7853, 22.6719, 67.5559** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.8187, 59.4613, 10.4796**, and the grayscale version is **10.7327, 11.2916, 12.2966**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **23.8886, 11.5719, 34.6927** is the 20% darker color. If you saturate the color by 10%, you get **46.7853, 22.6720, 67.5540**, and if you desaturate by 10%, it is **47.3385, 23.4008, 68.9022**.

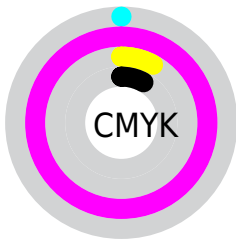
Distribution



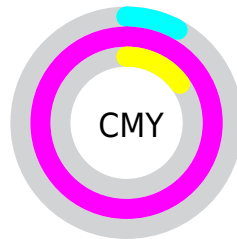
- Red (92%)
- Green (0%)
- Blue (85%)



- Red (92%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7853, 22.6719, 67.5559 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 46.7853, 22.6719, 67.5559 by changing the saturation by 10% instead.


 46.7853, 22.6719,
67.5559

 46.7853, 22.6719,
67.5559


364.6201,
266.0353, 470.4762

 33.0732, 14.3514,
49.0721


 84.6137, 47.8540,
117.3648


 22.3420, 8.3655,
34.3107


 109.4608, 65.4845,
149.5270


 14.2264, 4.3297,
22.8531


 138.7502, 86.9870,
187.0857

 8.3611, 1.8596,
14.2808

 172.8473,
112.7461, 230.4595

 4.3806, 0.5239,
8.1752

 212.1175,
143.1460, 280.0669

 1.9196, 0.0000,
4.1179

256.9262,

 0.5882, 0.0000,

178.5713, 336.3264

1.6902

307.6386,
219.4063, 399.6567

■ 0.0000, 0.0000,
0.3540

■ 0.0000, 0.0000,
0.0000

■ 46.7853, 22.6719,
67.5559

■ 46.7853, 22.6719,
67.5559

■ 46.7853, 22.6720,
67.5540

■ 47.3385, 23.4008,
68.9022

■ 48.2775, 24.8979,
70.3896

■ 49.7242, 27.4062,
72.0589

■ 51.7496, 31.0679,
73.9339

■ 54.4136, 36.0026,
76.0344

■ 57.7685, 42.3148,
78.3781

■ 61.8611, 50.0985,
80.9805

■ 66.7343, 59.4390,
83.8560

■ 72.4275, 70.4154,
87.0177

Harmonies

Analogous

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



35.0128, 22.6719, 124.2844



46.7853, 22.6719, 67.5559



51.2844, 22.6719, 23.0023

Triad

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



46.7853, 22.6719, 67.5559



20.9528, 22.6719, 0.0000



7.8580, 22.6719, 73.5657

Complementary

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



46.7853, 22.6719, 67.5559



29.8187, 59.4613, 10.4796

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.



6.3337, 22.6719, 26.4496



46.7853, 22.6719, 67.5559



12.0728, 22.6719, 0.5105

Square

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



46.7853, 22.6719, 67.5559



33.5920, 22.6719, 0.3121



7.5548, 22.6719, 5.3657



12.7951, 22.6719, 129.4158

Rectangle

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



46.7853, 22.6719, 67.5559



48.6356, 22.6719, 8.1657



7.5548, 22.6719, 5.3657



7.0261, 22.6719, 55.2941

Sweetspot

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



46.7862, 22.6730, 67.5563



74.3807, 60.1484, 97.4259



15.2047, 6.1067, 78.9754



15.4513, 11.9798, 20.5613



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.



46.7862, 22.6730, 67.5563



56.3025, 27.2850, 81.2483



36.6529, 18.6197, 14.1954



15.6621, 15.2927, 18.7720



26.0594, 12.6265, 37.7099



2.0612, 0.9974, 3.0394

Inverse Universe

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



46.7862, 22.6730, 67.5563



56.3025, 27.2850, 81.2483



33.9556, 61.1161, 32.2643



15.6621, 15.2927, 18.7720



26.0594, 12.6265, 37.7099



2.0612, 0.9974, 3.0394

Previews

White Background



This preview shows how the XYZ color 46.7853, 22.6719, 67.5559 looks on a white background.

Color Contrast Check

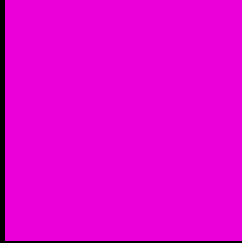
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7853, 22.6719, 67.5559 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 46.7853, 22.6719, 67.5559

Background



This preview shows how black text looks on a background with the XYZ color 46.7853, 22.6719, 67.5559.



This preview shows how white text looks on a background with the XYZ color 46.7853, 22.6719,

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

46.7853, 22.6719, 67.5559

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.9742, 23.3490, 60.3700



Tritanopia

35.5683, 22.9403, 12.4508

Trichromacy



Original Color

46.7853, 22.6719, 67.5559



Protanomaly

26.7048, 16.3007, 84.9579



Deuteranomaly

26.7116, 17.1471, 62.2235



Tritanomaly

37.5131, 20.7754, 25.6998

Monochromacy



Original Color

46.7853, 22.6719, 67.5559



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1301, 11.2068, 25.6337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7853, 22.6719, 67.5559 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(235, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 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(235, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.7853, 22.6719, 67.5559 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(235, 0, 217) }
```


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

```
.border{ border-color:rgb(235, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7853, 22.6719, 67.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 217) }
```

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

```
.background{ background-color: rgb(235, 0,  
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](#).

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