

Converting Colors

XYZ(46.2949, 22.4605, 65.6617)

Have a look what the booklet for
XYZ(46.2949, 22.4605, 65.6617)
contains.

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Color

**XYZ(46.3985, 22.5172,
65.5191)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00D6
RGB	235, 0, 214
RGB Percent	92%, 0%, 84%
CMY	0.0784, 0.9998, 0.1608
CMYK	0.00, 1.00, 0.09, 0.08
HSL	305°, 100%, 46%
HSV	305°, 100%, 92%
XYZ	46.3985, 22.5172, 65.5191
YIQ	94.6610, 71.3660, 116.3740

Conversions

Conversions Part 2

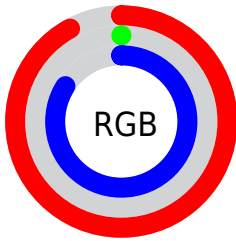
Format	Color
R_{YB}	235, 0, 214
Decimal	15401174
CIE _{Lab}	54.57, 89.51, -47.17
CIE _{LCh}	55, 101.177, 332.209
Yxy	22.5172, 0.3451, 0.1675
Android (android.graphics.Color)	4293591254 (0xFFEB00D6)
YUV	94.6610, 58.8341, 123.0773
Hunter-Lab	47.4523, 91.4945, -48.6472

Details

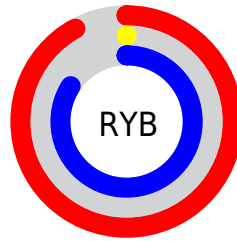
The XYZ color **46.3985, 22.5172, 65.5191** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.8449, 59.4718, 10.6178**, and the grayscale version is **10.6547, 11.2096, 12.2072**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.7136, 11.5019, 33.7711** is the 20% darker color. If you saturate the color by 10%, you get **46.3984, 22.5172, 65.5168**, and if you desaturate by 10%, it is **46.9863, 23.2600, 67.0473**.

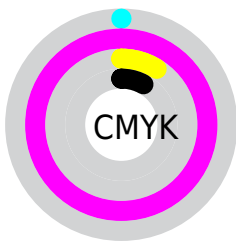
Distribution



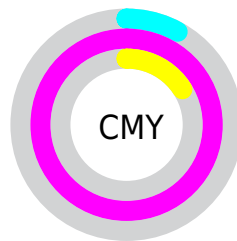
- Red (92%)
- Green (0%)
- Blue (84%)



- Red (92%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3985, 22.5172, 65.5191 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 46.3985, 22.5172, 65.5191 by changing the saturation by 10% instead.


 46.3985, 22.5172,
65.5191

 46.3985, 22.5172,
65.5191


363.0976,
265.2354, 463.0122


 32.7664, 14.2374,
47.4281


 84.0393, 47.5993,
114.4162


 22.1059, 8.2860,
33.0175


 108.7786, 65.1705,
146.0595


 14.0518, 4.2785,
21.8686


 137.9511, 86.6076,
183.0572

 8.2386, 1.8305,
13.5630

 171.9220,
112.2949, 225.8280

 4.3011, 0.5061,
7.6821

 211.0568,
142.6170, 274.7903

 1.8738, 0.0000,
3.8074

255.7207,

 0.5616, 0.0000,

177.9582, 330.3628

1.5203

306.2792,
218.7029, 392.9639

■ 0.0000, 0.0000,
0.2330

■ 0.0000, 0.0000,
0.0000

■ 46.3985, 22.5172,
65.5191

■ 46.3985, 22.5172,
65.5191

■ 46.3984, 22.5172,
65.5168

■ 46.9863, 23.2600,
67.0473

■ 47.9607, 24.7713,
68.7213

■ 49.4438, 27.2942,
70.5821

■ 51.5066, 30.9709,
72.6534

■ 54.2089, 35.9210,
74.9552

■ 57.6029, 42.2490,
77.5050

■ 61.7357, 50.0488,
80.3184

■ 66.6499, 59.4058,
83.4098

■ 72.3851, 70.3992,
86.7924

Harmonies

Analogous

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



34.9218, 22.5172, 121.2150



46.3985, 22.5172, 65.5191



50.6202, 22.5172, 22.2352

Triad

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



46.3985, 22.5172, 65.5191



20.5895, 22.5172, 0.0000



7.9408, 22.5172, 73.6991

Complementary

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



46.3985, 22.5172, 65.5191



29.8449, 59.4718, 10.6178

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.



6.3689, 22.5172, 26.9506



46.3985, 22.5172, 65.5191



11.9180, 22.5172, 0.5930

Square

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



46.3985, 22.5172, 65.5191



32.9832, 22.5172, 0.3204



7.5234, 22.5172, 5.6280



12.9091, 22.5172, 128.1846

Rectangle

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



46.3985, 22.5172, 65.5191



47.8867, 22.5172, 7.9045



7.5234, 22.5172, 5.6280



7.0939, 22.5172, 55.6621

Sweetspot

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



46.3994, 22.5183, 65.5195



74.2286, 60.0875, 96.6249



15.2769, 6.1439, 78.9787



15.4144, 11.9650, 20.3667



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.



46.3994, 22.5183, 65.5195



55.8351, 27.0980, 78.7866



36.4636, 18.5440, 13.1984



15.6534, 15.2892, 18.7259



25.8473, 12.5416, 36.5927



2.0467, 0.9916, 2.9632

Inverse Universe

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



46.3994, 22.5183, 65.5195



55.8351, 27.0980, 78.7866



34.2318, 61.2265, 33.7189



15.6534, 15.2892, 18.7259



25.8473, 12.5416, 36.5927



2.0467, 0.9916, 2.9632

Previews

White Background



This preview shows how the XYZ color 46.3985, 22.5172, 65.5191 looks on a white background.

Color Contrast Check

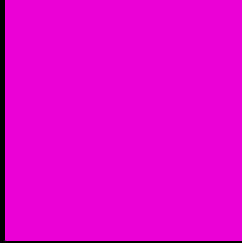
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3985, 22.5172, 65.5191 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 46.3985, 22.5172, 65.5191

Background



This preview shows how black text looks on a background with the XYZ color 46.3985, 22.5172, 65.5191.



This preview shows how white text looks on a background with the XYZ color 46.3985, 22.5172,

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

46.3985, 22.5172, 65.5191

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

23.6959, 23.0463, 58.4578



Tritanopia

35.4049, 22.7499, 11.9763

Trichromacy



Original Color

46.3985, 22.5172, 65.5191



Protanomaly

26.4163, 16.1692, 84.1667



Deuteranomaly

26.4466, 16.9386, 60.2681



Tritanomaly

37.2547, 20.5983, 24.5666

Monochromacy



Original Color

46.3985, 22.5172, 65.5191



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0574, 11.1777, 25.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3985, 22.5172, 65.5191 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 46.3985, 22.5172, 65.5191 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, 214) }
```


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

```
.border{ border-color:rgb(235, 0, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3985, 22.5172, 65.5191 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, 214) }
```

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

```
.background{ background-color: rgb(235, 0,  
214) }
```

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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