

Converting Colors

XYZ(45.2875, 21.8019, 73.3024)

Have a look what the booklet for
XYZ(45.2875, 21.8019, 73.3024)
contains.

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Color

**XYZ(45.2909, 21.8106,
73.0569)**

Conversions

Conversions Part 1

Format	Color
Hex	E302E1
RGB	227, 2, 225
RGB Percent	89%, 1%, 88%
CMY	0.1098, 0.9920, 0.1176
CMYK	0.00, 0.99, 0.01, 0.11
HSL	301°, 98%, 45%
HSV	301°, 99%, 89%
XYZ	45.2909, 21.8106, 73.0569
YIQ	94.6970, 62.5170, 117.0530

Conversions

Conversions Part 2

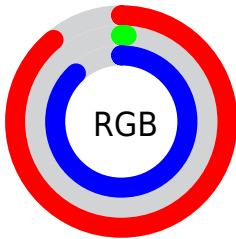
Format	Color
R_{YB}	227, 2, 225
Decimal	14877409
CIE _{Lab}	53.83, 89.56, -54.70
CIE _{LCh}	54, 104.948, 328.585
Yxy	21.8106, 0.3231, 0.1556
Android (android.graphics.Color)	4293067489 (0xFFE302E1)
YUV	94.6970, 64.2394, 116.0297
Hunter-Lab	46.7018, 91.3791, -60.0577

Details

The XYZ color **45.2909, 21.8106, 73.0569** 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 **27.5171, 54.9610, 9.2742**, and the grayscale version is **10.6516, 11.2063, 12.2036**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.0978, 11.0801, 38.4574** is the 20% darker color. If you saturate the color by 10%, you get **45.2672, 21.7664, 73.0369**, and if you desaturate by 10%, it is **45.6393, 22.4625, 73.3092**.

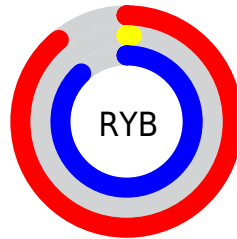
Distribution



Red (89%)

Green (1%)

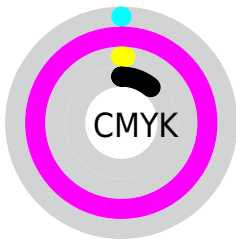
Blue (88%)



Red (89%)

Yellow (1%)

Blue (88%)

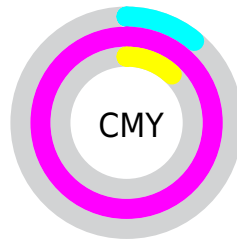


Cyan (0%)

Magenta (99%)

Yellow (1%)

Black (11%)



Cyan (11%)


Magenta (99%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2909, 21.8106, 73.0569 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 45.2909, 21.8106, 73.0569 by changing the saturation by 10% instead.


 45.2909, 21.8106,
73.0569


 45.2909, 21.8106,
73.0569


358.7143,
261.5556, 490.2881

 31.8889, 13.7178,
53.5304


 82.3911, 46.4328,
125.2796


 21.4318, 7.9247,
37.8357


 106.8201, 63.7309,
158.8130

 13.5542, 4.0468,
25.5544


 135.6554, 84.8663,
197.8523

 7.8909, 1.6998,
16.2678

 169.2623,
110.2233, 242.8162

 4.0764, 0.4235,
9.5574

 208.0064,
140.1864, 294.1232

 1.7455, 0.0000,
5.0048

252.2528,

 0.4845, 0.0000,

175.1398, 352.1918

2.1913

302.3670,
215.4681, 417.4406

■ 0.0000, 0.0000,
0.6693

■ 0.0000, 0.0000,
0.0000

■ 45.2909, 21.8106,
73.0569

■ 45.2909, 21.8106,
73.0569

■ 45.2672, 21.7664,
73.0369

■ 45.6393, 22.4625,
73.3092

■ 46.3589, 23.8576,
73.6852

■ 47.5513, 26.1981,
74.2190

■ 49.2803, 29.6118,
74.9318

■ 51.6001, 34.2072,
75.8417

■ 54.5583, 40.0791,
76.9646

■ 58.1974, 47.3130,
78.3146

■ 62.5566, 55.9869,
79.9048

■ 67.6719, 66.1729,
81.7471

Harmonies

Analogous

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



32.9335, 21.8106, 130.6827



45.2909, 21.8106, 73.0569



50.8447, 21.8106, 25.3149

Triad

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



45.2909, 21.8106, 73.0569



21.2704, 21.8106, 0.0000



6.9234, 21.8106, 67.5810

Complementary

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



45.2909, 21.8106, 73.0569



27.5171, 54.9610, 9.2742

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.



5.7302, 21.8106, 22.2472



45.2909, 21.8106, 73.0569



11.9893, 21.8106, 0.0452

Square

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



45.2909, 21.8106, 73.0569



34.2125, 21.8106, 0.2264



7.1844, 21.8106, 3.8574



11.3569, 21.8106, 125.9605

Rectangle

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



45.2909, 21.8106, 73.0569



48.8273, 21.8106, 8.9442



7.1844, 21.8106, 3.8574



6.2206, 21.8106, 49.5508

Sweetspot

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



45.2918, 21.8116, 73.0573



75.2007, 60.4764, 101.7440



13.9129, 5.6035, 73.0224



15.6510, 12.0596, 21.6129



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.



45.2918, 21.8116, 73.0573



58.9269, 28.3348, 95.0679



34.7681, 17.6021, 17.6401



14.9893, 14.6129, 18.1442



26.4021, 12.6951, 42.6079



1.9528, 0.9388, 3.1581

Inverse Universe

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



45.2918, 21.8116, 73.0573



58.9269, 28.3348, 95.0679



30.5619, 56.1789, 25.3078



14.9893, 14.6129, 18.1442



26.4021, 12.6951, 42.6079



1.9528, 0.9388, 3.1581

Previews

White Background



This preview shows how the XYZ color 45.2909, 21.8106, 73.0569 looks on a white background.

Color Contrast Check

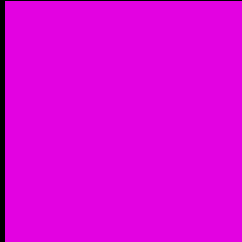
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2909, 21.8106, 73.0569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

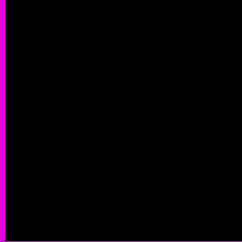
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2909, 21.8106, 73.0569

Background



This preview shows how black text looks on a background with the XYZ color 45.2909, 21.8106, 73.0569.



This preview shows how white text looks on a background with the XYZ color 45.2909, 21.8106,

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

45.2909, 21.8106, 73.0569

Protanopia

26.6831, 22.7460, 97.5918

Deuteranopia

23.0488, 22.3739, 64.7318



Tritanopia

32.9507, 21.9337, 13.0866

Trichromacy



Original Color

45.2909, 21.8106, 73.0569



Protanomaly

25.9537, 15.8613, 87.2816



Deuteranomaly

25.1608, 16.1309, 66.7532



Tritanomaly

35.2591, 19.7847, 27.5517

Monochromacy



Original Color

45.2909, 21.8106, 73.0569



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

17.8789, 11.1301, 26.7972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2909, 21.8106, 73.0569 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(227, 2, 225)` looks like.

```
.text, #text, p{  
    color:rgb(227, 2, 225)  
}
```

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(227, 2, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 2, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.2909, 21.8106, 73.0569 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(227, 2, 225) }
```


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

```
.border{ border-color:rgb(227, 2, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 2, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 2, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 2, 225);  
box-shadow:4px 4px 4px 4px rgb(227, 2,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2909, 21.8106, 73.0569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 2, 225) }
```

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

```
.background{ background-color: rgb(227, 2,  
225) }
```

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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