

Converting Colors

XYZ(45.2533, 21.9992, 74.0378)

Have a look what the booklet for
XYZ(45.2533, 21.9992, 74.0378)
contains.

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Color

**XYZ(45.2623, 22.0014,
73.8126)**

Conversions

Conversions Part 1

Format	Color
Hex	E20FE2
RGB	226, 15, 226
RGB Percent	89%, 6%, 89%
CMY	0.1137, 0.9411, 0.1137
CMYK	0.00, 0.93, 0.00, 0.11
HSL	300°, 88%, 47%
HSV	300°, 93%, 89%
XYZ	45.2623, 22.0014, 73.8126
YIQ	102.1430, 58.0250, 110.3530

Conversions

Conversions Part 2

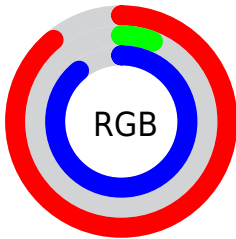
Format	Color
R _Y B	226, 15, 226
Decimal	14815202
CIE Lab	54.03, 88.61, -54.95
CIE LCh	54, 104.264, 328.193
Yxy	22.0014, 0.3208, 0.1560
Android (android.graphics.Color)	4293005282 (0xFFE20FE2)
YUV	102.1430, 61.0615, 108.6226
Hunter-Lab	46.9056, 90.1613, -60.4672

Details

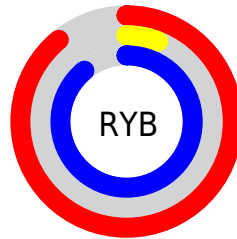
The XYZ color **45.2623, 22.0014, 73.8126** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.4806, 54.5298, 9.5300**, and the grayscale version is **12.5059, 13.1572, 14.3282**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **22.9816, 11.0093, 38.9439** is the 20% darker color. If you saturate the color by 10%, you get **45.0920, 21.6600, 73.7559**, and if you desaturate by 10%, it is **45.7733, 23.0226, 73.9831**.

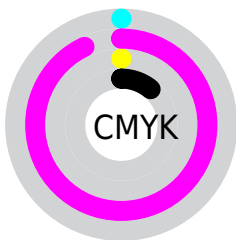
Distribution



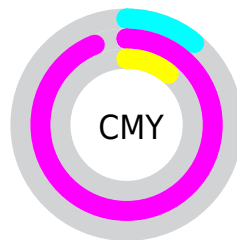
- Red (89%)
- Green (6%)
- Blue (89%)



- Red (89%)
- Yellow (6%)
- Blue (89%)



- Cyan (0%)
- Magenta (93%)
- Yellow (0%)
- Black (11%)





- Cyan (11%)
- Magenta (94%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2623, 22.0014, 73.8126 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 45.2623, 22.0014, 73.8126 by changing the saturation by 10% instead.

 45.2623, 22.0014,
73.8126


 45.2623, 22.0014,
73.8126


358.6007,
262.5536, 492.9724


 31.8662, 13.8579,
54.1448


 82.3485, 46.7483,
126.3617


 21.4144, 8.0219,
38.3235


 106.7694, 64.1205,
160.0801


 13.5414, 4.1090,
25.9301


 135.5959, 85.3378,
199.3191

 7.8820, 1.7347,
16.5460

 169.1934,
110.7845, 244.4973

 4.0707, 0.4460,
9.7528

 207.9273,
140.8451, 296.0332

 1.7422, 0.0000,
5.1319

252.1629,

 0.4825, 0.0000,

175.9038, 354.3453

2.2648

302.2656,
216.3452, 419.8522

■ 0.0000, 0.0000,
0.7114

■ 0.0000, 0.0000,
0.0000

■ 45.2623, 22.0014,
73.8126

■ 45.2623, 22.0014,
73.8126

■ 45.0920, 21.6600,
73.7559

■ 45.7733, 23.0226,
73.9831

■ 46.7199, 24.9157,
74.2987

■ 48.1722, 27.8203,
74.7829

■ 50.1874, 31.8507,
75.4547

■ 52.8150, 37.1059,
76.3307

■ 56.0991, 43.6740,
77.4254

■ 60.0796, 51.6351,
78.7523

■ 64.7935, 61.0629,
80.3237

■ 70.2750, 72.0258,
82.1510

Harmonies

Analogous

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



32.9111, 22.0014, 130.8474



45.2623, 22.0014, 73.8126



50.9093, 22.0014, 25.9667

Triad

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



45.2623, 22.0014, 73.8126



21.6025, 22.0014, 0.0000



7.0370, 22.0014, 66.8648

Complementary

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



45.2623, 22.0014, 73.8126



27.4806, 54.5298, 9.5300

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.



5.8697, 22.0014, 22.0514



45.2623, 22.0014, 73.8126



12.2537, 22.0014, 0.0879

Square

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



45.2623, 22.0014, 73.8126



34.5387, 22.0014, 0.3178



7.3729, 22.0014, 3.8748



11.4434, 22.0014, 124.8707

Rectangle

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



45.2623, 22.0014, 73.8126



48.9930, 22.0014, 9.3340



7.3729, 22.0014, 3.8748



6.3416, 22.0014, 49.0260

Sweetspot

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



45.2632, 22.0024, 73.8130



76.3475, 62.5950, 102.6656



14.0963, 5.9353, 72.3552



15.8725, 12.4598, 21.8183



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.



45.2632, 22.0024, 73.8130



59.2898, 28.4799, 96.9790



34.9572, 17.8800, 19.5423



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166

Inverse Universe

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



45.2632, 22.0024, 73.8130



59.2898, 28.4799, 96.9790



30.8157, 55.8639, 27.0922



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 45.2623, 22.0014, 73.8126 looks on a white background.

Color Contrast Check

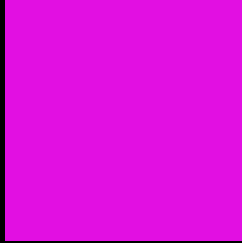
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2623, 22.0014, 73.8126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

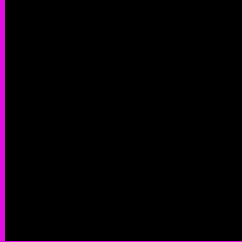
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2623, 22.0014, 73.8126

Background



This preview shows how black text looks on a background with the XYZ color 45.2623, 22.0014, 73.8126.



This preview shows how white text looks on a background with the XYZ color 45.2623, 22.0014,

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

45.2623, 22.0014, 73.8126

Protanopia

26.6831, 22.7460, 97.5918

Deuteranopia

23.2684, 22.6564, 66.0975



Tritanopia

32.7893, 21.9680, 13.3385

Trichromacy



Original Color

45.2623, 22.0014, 73.8126



Protanomaly

26.3390, 16.6320, 87.4100



Deuteranomaly

25.7430, 17.1122, 68.2759



Tritanomaly

35.2958, 20.1801, 28.0215

Monochromacy



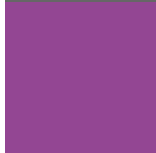
Original Color

45.2623, 22.0014, 73.8126



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

19.4892, 12.6899, 29.0260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2623, 22.0014, 73.8126 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(226, 15, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 15, 226)  
}
```

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(226, 15, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 15, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.2623, 22.0014, 73.8126 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(226, 15, 226) }
```


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

```
.border{ border-color:rgb(226, 15, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 15, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 15, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 15, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 15,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2623, 22.0014, 73.8126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 15, 226) }
```

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

```
.background{ background-color: rgb(226, 15,  
226) }
```

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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