

Converting Colors

XYZ(44.9594, 21.6414, 71.5008)

Have a look what the booklet for
XYZ(44.9594, 21.6414, 71.5008)
contains.

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Color

**XYZ(44.9978, 21.6586,
71.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	E300DF
RGB	227, 0, 223
RGB Percent	89%, 0%, 87%
CMY	0.1098, 0.9999, 0.1255
CMYK	0.00, 1.00, 0.02, 0.11
HSL	301°, 100%, 45%
HSV	301°, 100%, 89%
XYZ	44.9978, 21.6586, 71.6209
YIQ	93.2950, 63.7090, 117.4770

Conversions

Conversions Part 2

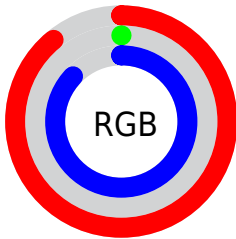
Format	Color
R_{YB}	227, 0, 223
Decimal	14876895
CIE _{Lab}	53.66, 89.42, -53.83
CIE _{LCh}	54, 104.372, 328.954
Yxy	21.6586, 0.3254, 0.1566
Android (android.graphics.Color)	4293066975 (0xFFE300DF)
YUV	93.2950, 63.9446, 117.2593
Hunter-Lab	46.5388, 91.1466, -58.6672

Details

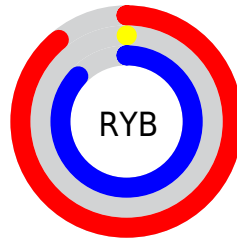
The XYZ color **44.9978, 21.6586, 71.6209** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.4920, 54.9479, 9.2730**, and the grayscale version is **10.3233, 10.8609, 11.8275**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.9114, 11.0055, 37.4759** is the 20% darker color. If you saturate the color by 10%, you get **44.9982, 21.6588, 71.6207**, and if you desaturate by 10%, it is **45.3535, 22.2828, 72.0061**.

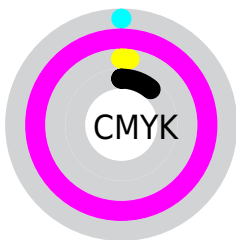
Distribution



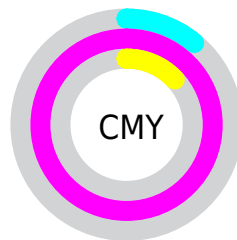
- Red (89%)
- Green (0%)
- Blue (87%)



- Red (89%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9978, 21.6586, 71.6209 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 44.9978, 21.6586, 71.6209 by changing the saturation by 10% instead.


 44.9978, 21.6586,
71.6209


 44.9978, 21.6586,
71.6209

357.5485,
260.7582, 485.1630


 31.6570, 13.6063,
52.3641


 81.9542, 46.1811,
123.2201


 21.2539, 7.8473,
36.9111


 106.3005, 63.4200,
156.3996


 13.4232, 3.9974,
24.8435


 135.0459, 84.4899,
195.0571

 7.7996, 1.6721,
15.7425

 168.5559,
109.7752, 239.6110

 4.0177, 0.4055,
9.1897

 207.1958,
139.6603, 290.4801

 1.7122, 0.0000,
4.7667

251.3310,

 0.4639, 0.0000,

174.5296, 348.0828

2.0547

301.3268,
214.7674, 412.8376

■ 0.0000, 0.0000,
0.5886

■ 0.0000, 0.0000,
0.0000

■ 44.9978, 21.6586,
71.6209

■ 44.9978, 21.6586,
71.6209

■ 44.9982, 21.6588,
71.6207

■ 45.3535, 22.2828,
72.0061

■ 46.0616, 23.6124,
72.5093

■ 47.2362, 25.8746,
73.1686

■ 48.9423, 29.1999,
74.0057

■ 51.2349, 33.6978,
75.0389

■ 54.1620, 39.4644,
76.2843

■ 57.7665, 46.5859,
77.7561

■ 62.0879, 55.1407,
79.4675

■ 67.1623, 65.2015,
81.4305

Harmonies

Analogous

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



32.8245, 21.6586, 128.6470



44.9978, 21.6586, 71.6209



50.3718, 21.6586, 24.7231

Triad

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



44.9978, 21.6586, 71.6209



20.9803, 21.6586, 0.0000



6.9362, 21.6586, 67.6198

Complementary

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



44.9978, 21.6586, 71.6209



27.4920, 54.9479, 9.2730

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.



5.7180, 21.6586, 22.4776



44.9978, 21.6586, 71.6209



11.8445, 21.6586, 0.0836

Square

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



44.9978, 21.6586, 71.6209



33.7599, 21.6586, 0.2169



7.1278, 21.6586, 3.9631



11.3810, 21.6586, 125.1993

Rectangle

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



44.9978, 21.6586, 71.6209



48.2941, 21.6586, 8.7200



7.1278, 21.6586, 3.9631



6.2263, 21.6586, 49.7171

Sweetspot

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



44.9987, 21.6596, 71.6213



75.0937, 60.4336, 101.1805



13.9135, 5.5716, 73.0161



15.6249, 12.0492, 21.4754



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.



44.9987, 21.6596, 71.6213



58.5746, 28.1938, 93.2129



34.4795, 17.4519, 16.2279



14.9836, 14.6106, 18.1139



26.2477, 12.6333, 41.7947



1.9431, 0.9350, 3.1071

Inverse Universe

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



44.9987, 21.6596, 71.6213



58.5746, 28.1938, 93.2129



30.6985, 56.2306, 26.1583



14.9836, 14.6106, 18.1139



26.2477, 12.6333, 41.7947



1.9431, 0.9350, 3.1071

Previews

White Background



This preview shows how the XYZ color 44.9978, 21.6586, 71.6209 looks on a white background.

Color Contrast Check

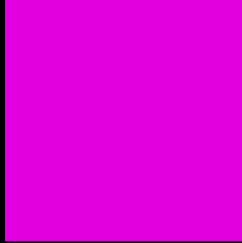
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.9978, 21.6586, 71.6209 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 44.9978, 21.6586, 71.6209

Background



This preview shows how black text looks on a background with the XYZ color 44.9978, 21.6586, 71.6209.



This preview shows how white text looks on a background with the XYZ color 44.9978, 21.6586,

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

44.9978, 21.6586, 71.6209

Protanopia

26.5930, 22.6996, 97.5876

Deuteranopia

23.0952, 22.4122, 64.0815



Tritanopia

32.9061, 21.9159, 12.8518

Trichromacy



Original Color

44.9978, 21.6586, 71.6209



Protanomaly

25.6019, 15.5879, 86.4534



Deuteranomaly

25.3507, 16.2437, 66.0892



Tritanomaly

35.0612, 19.6272, 26.7514

Monochromacy



Original Color

44.9978, 21.6586, 71.6209



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.4529, 10.7722, 25.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9978, 21.6586, 71.6209 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, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 223)  
}
```

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, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 223) }
```

Border

The CSS property to change the border of an element to XYZ 44.9978, 21.6586, 71.6209 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, 0, 223) }
```


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

```
.border{ border-color:rgb(227, 0, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9978, 21.6586, 71.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 223) }
```

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

```
.background{ background-color: rgb(227, 0,  
223) }
```

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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