

Converting Colors

XYZ(43.8981, 20.6847, 89.9580)

Have a look what the booklet for
XYZ(43.8981, 20.6847, 89.9580)
contains.

XYZ(43.9399, 20.7124, 89.6777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.9399, 20.7124,
89.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	D400F7
RGB	212, 0, 247
RGB Percent	83%, 0%, 97%
CMY	0.1686, 0.9999, 0.0314
CMYK	0.14, 1.00, 0.00, 0.03
HSL	291°, 100%, 48%
HSV	291°, 100%, 97%
XYZ	43.9399, 20.7124, 89.6777
YIQ	91.5460, 47.0650, 121.7610

Conversions

Conversions Part 2

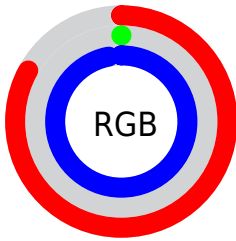
Format	Color
R_{YB}	212, 0, 247
Decimal	13893879
CIE _{Lab}	52.63, 90.78, -69.14
CIE _{LCh}	53, 114.111, 322.707
Yxy	20.7124, 0.2847, 0.1342
Android (android.graphics.Color)	4292083959 (0xFFD400F7)
YUV	91.5460, 76.6388, 105.6382
Hunter-Lab	45.5109, 92.6944, -84.9714

Details

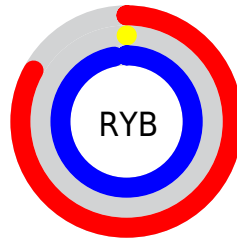
The XYZ color **43.9399, 20.7124, 89.6777** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.9547, 66.8795, 11.1200**, and the grayscale version is **9.8943, 10.4096, 11.3361**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.9478, 10.2534, 48.9664** is the 20% darker color. If you saturate the color by 10%, you get **43.9399, 20.7124, 89.6780**, and if you desaturate by 10%, it is **45.3024, 21.9220, 89.8397**.

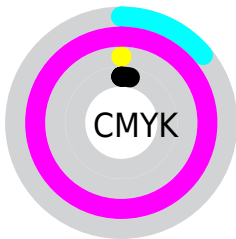
Distribution



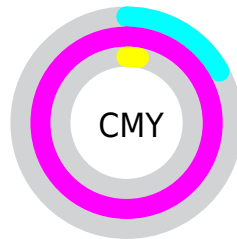
- Red (83%)
- Green (0%)
- Blue (97%)



- Red (83%)
- Yellow (0%)
- Blue (97%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (17%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9399, 20.7124, 89.6777 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 43.9399, 20.7124, 89.6777 by changing the saturation by 10% instead.


 43.9399, 20.7124,
89.6777


 43.9399, 20.7124,
89.6777

353.3193,
255.7461, 547.5249


 30.8210, 12.9139,
67.1412

 80.3742, 44.6084,
148.8222

 20.6137, 7.3693,
48.7370


 104.4203, 61.4747,
186.2673

 12.9528, 3.6941,
34.0468


 132.8395, 82.1325,
229.5189

 7.4728, 1.5040,
22.6519

 165.9971,
106.9660, 278.9957

 3.8085, 0.2915,
14.1338

 204.2586,
136.3597, 335.1162

 1.5944, 0.0000,
8.0740

 247.9892,

 0.3887, 0.0000,

170.6981, 398.2988

4.0539

297.5543,
210.3654, 468.9622

■ 0.0000, 0.0000,
1.6549

■ 0.0000, 0.0000,
0.3296

■ 43.9399, 20.7124,
89.6777

■ 43.9399, 20.7124,
89.6777

■ 43.9399, 20.7124,
89.6780

■ 45.3024, 21.9220,
89.8397

■ 47.1187, 24.0077,
90.1466

■ 49.5237, 27.2380,
90.6433

■ 52.5982, 31.7741,
91.3568

■ 56.4099, 37.7514,
92.3096

■ 61.0181, 45.2882,
93.5215

■ 66.4760, 54.4907,
95.0101

■ 72.8319, 65.4556,
96.7916

■ 80.1308, 78.2721,
98.8807

Harmonies

Analogous

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



29.8546, 20.7124, 152.1546



43.9399, 20.7124, 89.6777



52.0313, 20.7124, 31.8902

Triad

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



43.9399, 20.7124, 89.6777



22.7225, 20.7124, 0.0000



5.2622, 20.7124, 58.2747

Complementary

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



43.9399, 20.7124, 89.6777



33.9547, 66.8795, 11.1200

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.



4.6329, 20.7124, 15.2423



43.9399, 20.7124, 89.6777



12.1372, 20.7124, 0.0000

Square

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



43.9399, 20.7124, 89.6777



36.9666, 20.7124, 0.0000



6.5558, 20.7124, 1.6203



8.8582, 20.7124, 124.4561

Rectangle

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



43.9399, 20.7124, 89.6777



51.3204, 20.7124, 11.0303



6.5558, 20.7124, 1.6203



4.7768, 20.7124, 40.1622

Sweetspot

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



43.9409, 20.7133, 89.6782



71.4338, 58.5218, 102.1386



17.4524, 8.0428, 88.6286



14.7352, 11.5845, 21.7093



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.



43.9409, 20.7133, 89.6782



47.2231, 22.2593, 96.4153



44.7521, 22.3322, 35.4656



16.9693, 16.6423, 20.8605



23.3306, 11.0017, 47.4319



2.1125, 0.9989, 4.1717

Inverse Universe

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



38.6618, 19.8961, 3.3941



41.5605, 21.3882, 3.6177



34.9595, 67.2013, 20.0307



16.5948, 16.5208, 17.6126



20.4769, 10.5342, 1.9536



1.8285, 0.9374, 0.3232

Previews

White Background



This preview shows how the XYZ color 43.9399, 20.7124, 89.6777 looks on a white background.

Color Contrast Check

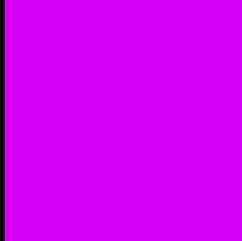
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.9399, 20.7124, 89.6777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

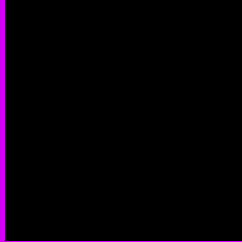
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.9399, 20.7124, 89.6777

Background



This preview shows how black text looks on a background with the XYZ color 43.9399, 20.7124, 89.6777.



This preview shows how white text looks on a background with the XYZ color 43.9399, 20.7124,

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

43.9399, 20.7124, 89.6777

Protanopia

25.6118, 21.6328, 97.4334

Deuteranopia

21.8538, 21.3020, 76.3587



Tritanopia

28.7657, 20.8863, 15.6120

Trichromacy



Original Color

43.9399, 20.7124, 89.6777



Protanomaly

25.0144, 14.9099, 93.6550



Deuteranomaly

21.0733, 13.6105, 80.1137



Tritanomaly

31.5428, 18.1249, 33.2885

Monochromacy



Original Color

43.9399, 20.7124, 89.6777



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0626, 10.5003, 29.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9399, 20.7124, 89.6777 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(212, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 247)  
}
```

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(212, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 43.9399, 20.7124, 89.6777 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(212, 0, 247) }
```


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

```
.border{ border-color:rgb(212, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9399, 20.7124, 89.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 247) }
```

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

```
.background{ background-color: rgb(212, 0,  
247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor