

Converting Colors

XYZ(44.8003, 21.1915, 88.1153)

Have a look what the booklet for
XYZ(44.8003, 21.1915, 88.1153)
contains.

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Color

**XYZ(44.8003, 21.1915,
88.1153)**

Conversions

Conversions Part 1

Format	Color
Hex	D800F5
RGB	216, 0, 245
RGB Percent	85%, 0%, 96%
CMY	0.1529, 0.9999, 0.0392
CMYK	0.12, 1.00, 0.00, 0.04
HSL	293°, 100%, 48%
HSV	293°, 100%, 96%
XYZ	44.8003, 21.1915, 88.1153
YIQ	92.5140, 50.0910, 121.9870

Conversions

Conversions Part 2

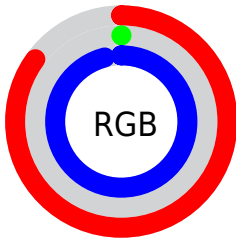
Format	Color
R _Y B	216, 0, 245
Decimal	14156021
CIE Lab	53.16, 91.02, -67.14
CIE LCh	53, 113.106, 323.588
Yxy	21.1915, 0.2907, 0.1375
Android (android.graphics.Color)	4292346101 (0xFFD800F5)
YUV	92.5140, 75.1756, 108.2972
Hunter-Lab	46.0342, 93.1555, -81.2646

Details

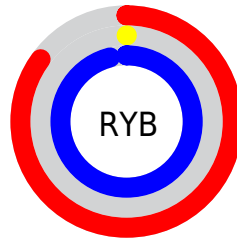
The XYZ color **44.8003, 21.1915, 88.1153** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.1600, 65.5667, 10.9087**, and the grayscale version is **10.1187, 10.6457, 11.5932**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.5947, 10.5994, 48.4320** is the 20% darker color. If you saturate the color by 10%, you get **44.8001, 21.1914, 88.1156**, and if you desaturate by 10%, it is **46.0031, 22.3127, 88.2686**.

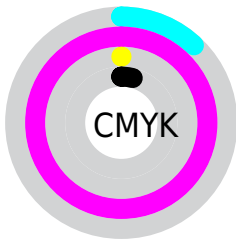
Distribution



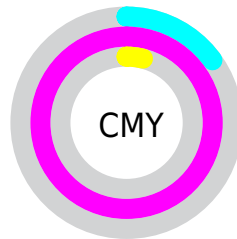
- Red (85%)
- Green (0%)
- Blue (96%)



- Red (85%)
- Yellow (0%)
- Blue (96%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (15%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8003, 21.1915, 88.1153 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 44.8003, 21.1915, 88.1153 by changing the saturation by 10% instead.


 44.8003, 21.1915,
88.1153

 44.8003, 21.1915,
88.1153


356.7615,
258.2945, 542.2918

 31.5008, 13.2641,
65.8537


 81.6596, 45.4060,
146.6302

 21.1342, 7.6106,
47.6979


 105.9500, 62.4619,
183.7206

 13.3351, 3.8468,
33.2294


 134.6348, 83.3294,
226.5910

 7.7383, 1.5883,
22.0297

 168.0793,
108.3928, 275.6599

 3.9783, 0.3497,
13.6802

 206.6489,
138.0367, 331.3459

 1.6899, 0.0000,
7.7624

 250.7089,

 0.4499, 0.0000,

172.6453, 394.0675

3.8577

300.6246,
212.6031, 464.2433

■ 0.0000, 0.0000,
1.5476

■ 0.0000, 0.0000,
0.2530

■ 44.8003, 21.1915,
88.1153

■ 44.8003, 21.1915,
88.1153

■ 44.8001, 21.1914,
88.1156

■ 46.0031, 22.3127,
88.2686

■ 47.6446, 24.2898,
88.5638

■ 49.8574, 27.3869,
89.0449

■ 52.7206, 31.7619,
89.7385

■ 56.3005, 37.5475,
90.6665

■ 60.6552, 44.8597,
91.8484

■ 65.8368, 53.8024,
93.3014

■ 71.8926, 64.4704,
95.0414

■ 78.8665, 76.9513,
97.0829

Harmonies

Analogous

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



30.7796, 21.1915, 150.7193



44.8003, 21.1915, 88.1153



52.5960, 21.1915, 31.2116

Triad

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



44.8003, 21.1915, 88.1153



22.8125, 21.1915, 0.0000



5.5897, 21.1915, 60.5834

Complementary

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



44.8003, 21.1915, 88.1153



33.1600, 65.5667, 10.9087

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.



4.8691, 21.1915, 16.4901



44.8003, 21.1915, 88.1153



12.2900, 21.1915, 0.0000

Square

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



44.8003, 21.1915, 88.1153



37.0466, 21.1915, 0.0440



6.7515, 21.1915, 1.9248



9.3676, 21.1915, 126.5190

Rectangle

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



44.8003, 21.1915, 88.1153



51.6568, 21.1915, 10.8302



6.7515, 21.1915, 1.9248



5.0651, 21.1915, 42.1930

Sweetspot

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



44.8013, 21.1924, 88.1158



72.0566, 58.8429, 102.1678



17.0171, 7.6633, 86.9688



14.8861, 11.6623, 21.7164



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.



44.8013, 21.1924, 88.1158



49.0437, 23.1978, 96.5005



43.5878, 21.7856, 32.9958



17.0092, 16.6629, 20.8623



24.2124, 11.4563, 47.4732



2.1815, 1.0345, 4.1749

Inverse Universe

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



37.8787, 19.5019, 2.9318



41.4767, 21.3547, 3.1765



34.4919, 66.0408, 20.5687



16.5789, 16.5144, 17.5291



20.4313, 10.5160, 1.7138



1.8210, 0.9344, 0.2837

Previews

White Background



This preview shows how the XYZ color 44.8003, 21.1915, 88.1153 looks on a white background.

Color Contrast Check

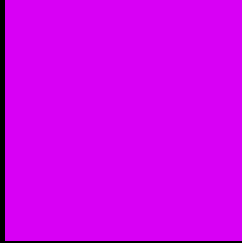
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.8003, 21.1915, 88.1153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

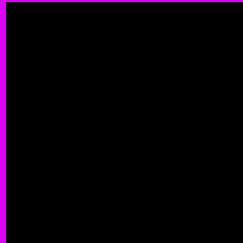
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.8003, 21.1915, 88.1153

Background



This preview shows how black text looks on a background with the XYZ color 44.8003, 21.1915, 88.1153.



This preview shows how white text looks on a background with the XYZ color 44.8003, 21.1915,

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

44.8003, 21.1915, 88.1153

Protanopia

26.0206, 22.0286, 97.4883

Deuteranopia

22.5541, 21.8272, 77.8872



Tritanopia

29.9198, 21.3508, 15.3761

Trichromacy



Original Color

44.8003, 21.1915, 88.1153



Protanomaly

25.6881, 15.3818, 92.8819



Deuteranomaly

22.4030, 14.4088, 80.1977



Tritanomaly

32.7620, 18.6832, 32.8898

Monochromacy



Original Color

44.8003, 21.1915, 88.1153



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3905, 10.6693, 29.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8003, 21.1915, 88.1153 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(216, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 245)  
}
```

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(216, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 44.8003, 21.1915, 88.1153 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(216, 0, 245) }
```


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

```
.border{ border-color:rgb(216, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8003, 21.1915, 88.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 245) }
```

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

```
.background{ background-color: rgb(216, 0,  
245) }
```

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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