

Converting Colors

XYZ(44.3992, 20.9882, 87.9372)

Have a look what the booklet for
XYZ(44.3992, 20.9882, 87.9372)
contains.

XYZ(44.5058, 21.0396, 88.1015)	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(44.5058, 21.0396,
88.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	D700F5
RGB	215, 0, 245
RGB Percent	84%, 0%, 96%
CMY	0.1569, 0.9999, 0.0392
CMYK	0.12, 1.00, 0.00, 0.04
HSL	293°, 100%, 48%
HSV	293°, 100%, 96%
XYZ	44.5058, 21.0396, 88.1015
YIQ	92.2150, 49.4950, 121.7750

Conversions

Conversions Part 2

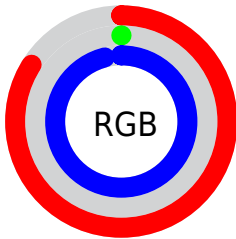
Format	Color
R_{YB}	215, 0, 245
Decimal	14090485
CIE _{Lab}	52.99, 90.88, -67.41
CIE _{LCh}	53, 113.157, 323.433
Yxy	21.0396, 0.2897, 0.1369
Android (android.graphics.Color)	4292280565 (0xFFD700F5)
YUV	92.2150, 75.3230, 107.6824
Hunter-Lab	45.8689, 92.9246, -81.7714

Details

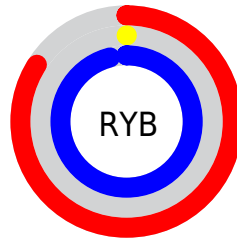
The XYZ color **44.5058, 21.0396, 88.1015** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.1886, 65.5814, 10.9098**, and the grayscale version is **10.0493, 10.5727, 11.5136**.

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 **44.5058, 21.0397, 88.1018**, and if you desaturate by 10%, it is **45.7332, 22.1733, 88.2560**.

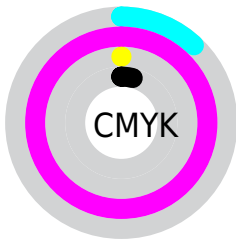
Distribution



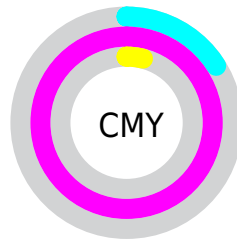
- Red (84%)
- Green (0%)
- Blue (96%)



- Red (84%)
- Yellow (0%)
- Blue (96%)



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





- Cyan (16%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5058, 21.0396, 88.1015 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 44.5058, 21.0396, 88.1015 by changing the saturation by 10% instead.

 44.5058, 21.0396,
88.1015


 44.5058, 21.0396,
88.1015


355.5858,
257.4889, 542.2455


 31.2680, 13.1530,
65.8423


 81.2200, 45.1534,
146.6108

 20.9558, 7.5340,
47.6887


 105.4270, 62.1494,
183.6981


 13.2040, 3.7982,
33.2222


 134.0211, 82.9506,
226.5651

 7.6471, 1.5613,
22.0242

 167.3677,
107.9414, 275.6304

 3.9199, 0.3313,
13.6762

 205.8321,
137.5063, 331.3125

 1.6569, 0.0000,
7.7596

 249.7797,

 0.4291, 0.0000,

172.0295, 394.0301

3.8560

299.5758,
211.8956, 464.2015

■ 0.0000, 0.0000,
1.5467

■ 0.0000, 0.0000,
0.2523

■ 44.5058, 21.0396,
88.1015

■ 44.5058, 21.0396,
88.1015

■ 44.5058, 21.0397,
88.1018

■ 45.7332, 22.1733,
88.2560

■ 47.4002, 24.1635,
88.5523

■ 49.6397, 27.2741,
89.0346

■ 52.5305, 31.6632,
89.7294

■ 56.1391, 37.4633,
90.6588

■ 60.5236, 44.7906,
91.8420

■ 65.7360, 53.7489,
93.2964

■ 71.8237, 64.4331,
95.0378

■ 78.8305, 76.9306,
97.0808

Harmonies

Analogous

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



30.5185, 21.0396, 150.4821



44.5058, 21.0396, 88.1015



52.3282, 21.0396, 31.2284

Triad

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



44.5058, 21.0396, 88.1015



22.7235, 21.0396, 0.0000



5.5140, 21.0396, 59.9829

Complementary

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



44.5058, 21.0396, 88.1015



33.1886, 65.5814, 10.9098

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.



4.8119, 21.0396, 16.2156



44.5058, 21.0396, 88.1015



12.2239, 21.0396, 0.0000

Square

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



44.5058, 21.0396, 88.1015



36.9134, 21.0396, 0.0338



6.6955, 21.0396, 1.8632



9.2476, 21.0396, 125.7513

Rectangle

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



44.5058, 21.0396, 88.1015



51.4319, 21.0396, 10.8300



6.6955, 21.0396, 1.8632



4.9979, 21.0396, 41.6996

Sweetspot

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



44.5068, 21.0405, 88.1020



71.9473, 58.7866, 102.1626



17.0169, 7.6630, 86.9687



14.8596, 11.6486, 21.7152



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.



44.5068, 21.0405, 88.1020



48.7208, 23.0314, 96.4854



43.5876, 21.7854, 32.9949



17.0022, 16.6593, 20.8620



24.0561, 11.3757, 47.4659



2.1693, 1.0282, 4.1744

Inverse Universe

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



37.8911, 19.5068, 2.9976



41.4903, 21.3601, 3.2480



34.4917, 66.0407, 20.5679



16.5817, 16.5155, 17.5437



20.4388, 10.5189, 1.7530



1.8223, 0.9349, 0.2906

Previews

White Background



This preview shows how the XYZ color 44.5058, 21.0396, 88.1015 looks on a white background.

Color Contrast Check

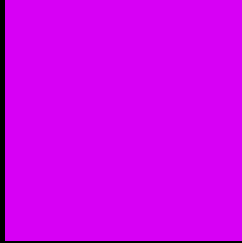
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5058, 21.0396, 88.1015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

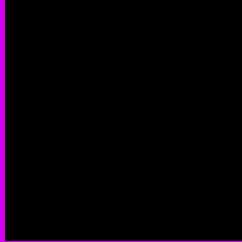
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.5058, 21.0396, 88.1015

Background



This preview shows how black text looks on a background with the XYZ color 44.5058, 21.0396, 88.1015.



This preview shows how white text looks on a background with the XYZ color 44.5058, 21.0396,

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

44.5058, 21.0396, 88.1015

Protanopia

25.9508, 21.9926, 97.4850

Deuteranopia

22.4172, 21.7566, 77.8808



Tritanopia

29.6570, 21.2153, 15.3638

Trichromacy



Original Color

44.5058, 21.0396, 88.1015



Protanomaly

25.4641, 15.2663, 92.8714



Deuteranomaly

21.9264, 14.1631, 80.1754



Tritanomaly

32.4870, 18.5414, 32.8769

Monochromacy



Original Color

44.5058, 21.0396, 88.1015



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.2258, 10.5844, 29.1521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5058, 21.0396, 88.1015 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(215, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 44.5058, 21.0396, 88.1015 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(215, 0, 245) }
```


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

```
.border{ border-color:rgb(215, 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(215, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5058, 21.0396, 88.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 245) }
```

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

```
.background{ background-color: rgb(215, 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](#).

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