

Converting Colors

XYZ(45.7386, 21.6921, 87.3925)

Have a look what the booklet for
XYZ(45.7386, 21.6921, 87.3925)
contains.

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Color

**XYZ(45.8443, 21.7473,
87.3693)**

Conversions

Conversions Part 1

Format	Color
Hex	DC00F4
RGB	220, 0, 244
RGB Percent	86%, 0%, 96%
CMY	0.1372, 0.9999, 0.0431
CMYK	0.10, 1.00, 0.00, 0.04
HSL	294°, 100%, 48%
HSV	294°, 100%, 96%
XYZ	45.8443, 21.7473, 87.3693
YIQ	93.5960, 52.7960, 122.5240

Conversions

Conversions Part 2

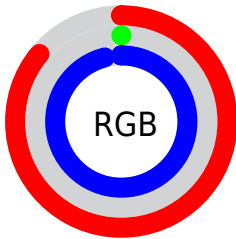
Format	Color
RYB	220, 0, 244
Decimal	14418164
CIELab	53.76, 91.44, -65.58
CIElCh	54, 112.524, 324.353
Yxy	21.7473, 0.2958, 0.1403
Android (android.graphics.Color)	4292608244 (0xFFDC00F4)
YUV	93.5960, 74.1492, 110.8563
Hunter-Lab	46.6340, 93.8678, -78.4367

Details

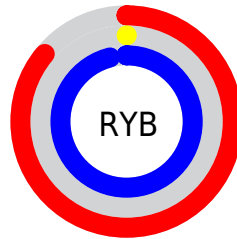
The XYZ color **45.8443, 21.7473, 87.3693** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.7283, 64.8962, 10.8021**, and the grayscale version is **10.3711, 10.9112, 11.8823**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **23.2677, 10.9588, 47.9026** is the 20% darker color. If you saturate the color by 10%, you get **45.8441, 21.7472, 87.3696**, and if you desaturate by 10%, it is **46.9122, 22.7959, 87.5157**.

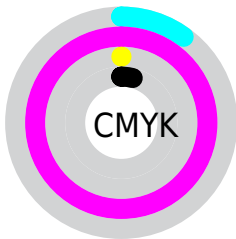
Distribution



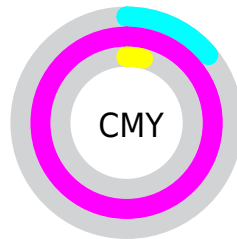
- Red (86%)
- Green (0%)
- Blue (96%)



- Red (86%)
- Yellow (0%)
- Blue (96%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)




- Cyan (14%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8443, 21.7473, 87.3693 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 45.8443, 21.7473, 87.3693 by changing the saturation by 10% instead.

 45.8443, 21.7473,
87.3693


 45.8443, 21.7473,
87.3693

360.9088,
261.2238, 539.7833


 32.3271, 13.6713,
65.2395


 83.2152, 46.3280,
145.5822


 21.7682, 7.8924,
47.2027


 107.7996, 63.6015,
182.5023

 13.8023, 4.0262,
32.8405


 136.8038, 84.7096,
225.1897

 8.0641, 1.6882,
21.7341

 170.5931,
110.0368, 274.0628

 4.1881, 0.4160,
13.4652

 209.5329,
139.9674, 329.5401

 1.8091, 0.0000,
7.6152

253.9886,

 0.5232, 0.0000,

174.8859, 392.0403

3.7655

304.3254,
215.1765, 461.9819

■ 0.0000, 0.0000,
1.4976

■ 0.0000, 0.0000,
0.2161

■ 45.8443, 21.7473,
87.3693

■ 45.8443, 21.7473,
87.3693

■ 45.8441, 21.7472,
87.3696

■ 46.9122, 22.7959,
87.5157

■ 48.4100, 24.6898,
87.8024

■ 50.4692, 27.6907,
88.2731

■ 53.1679, 31.9550,
88.9539

■ 56.5718, 37.6141,
89.8668

■ 60.7384, 44.7826,
91.0309

■ 65.7190, 53.5635,
92.4633

■ 71.5608, 64.0506,
94.1796

■ 78.3070, 76.3306,
96.1943

Harmonies

Analogous

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



31.7921, 21.7473, 150.4953



45.8443, 21.7473, 87.3693



53.4319, 21.7473, 30.8394

Triad

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



45.8443, 21.7473, 87.3693



23.0388, 21.7473, 0.0000



5.9174, 21.7473, 63.0172

Complementary

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



45.8443, 21.7473, 87.3693



32.7283, 64.8962, 10.8021

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.



5.1093, 21.7473, 17.7229



45.8443, 21.7473, 87.3693



12.5016, 21.7473, 0.0000

Square

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



45.8443, 21.7473, 87.3693



37.3586, 21.7473, 0.0871



6.9657, 21.7473, 2.2269



9.8810, 21.7473, 129.1531

Rectangle

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



45.8443, 21.7473, 87.3693



52.2880, 21.7473, 10.7294



6.9657, 21.7473, 2.2269



5.3540, 21.7473, 44.2708

Sweetspot

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



45.8453, 21.7482, 87.3698



72.5956, 59.1208, 102.1930



16.6650, 7.2028, 86.1002



15.0169, 11.7297, 21.7225



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.



45.8453, 21.7482, 87.3698



50.6564, 24.0292, 96.5760



42.5291, 21.3219, 29.2363



17.0436, 16.6806, 20.8640



24.9931, 11.8587, 47.5097



2.2423, 1.0658, 4.1778

Inverse Universe

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



37.4738, 19.2998, 2.6158



41.4164, 21.3305, 2.8587



34.5377, 65.5764, 22.2980



16.5653, 16.5090, 17.4577



20.3979, 10.5026, 1.5378



1.8146, 0.9318, 0.2499

Previews

White Background



This preview shows how the XYZ color 45.8443, 21.7473, 87.3693 looks on a white background.

Color Contrast Check

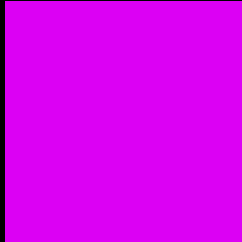
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8443, 21.7473, 87.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

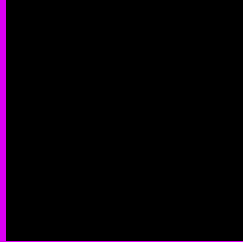
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.8443, 21.7473, 87.3693

Background



This preview shows how black text looks on a background with the XYZ color 45.8443, 21.7473, 87.3693.



This preview shows how white text looks on a background with the XYZ color 45.8443, 21.7473,

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

45.8443, 21.7473, 87.3693

Protanopia

26.5930, 22.6996, 97.5876

Deuteranopia

23.2692, 22.6108, 77.2666



Tritanopia

31.2097, 22.0216, 15.1760

Trichromacy



Original Color

45.8443, 21.7473, 87.3693



Protanomaly

26.5879, 15.9536, 92.9448



Deuteranomaly

23.8473, 15.2844, 79.5352



Tritanomaly

33.7960, 19.2259, 32.5016

Monochromacy



Original Color

45.8443, 21.7473, 87.3693



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8559, 10.9771, 29.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8443, 21.7473, 87.3693 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(220, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 244)  
}
```

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(220, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 244) }
```

Border

The CSS property to change the border of an element to XYZ 45.8443, 21.7473, 87.3693 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(220, 0, 244) }
```


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

```
.border{ border-color:rgb(220, 0, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8443, 21.7473, 87.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 244) }
```

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

```
.background{ background-color: rgb(220, 0,  
244) }
```

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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