

Converting Colors

XYZ(45.9030, 21.7182, 90.0518)

Have a look what the booklet for
XYZ(45.9030, 21.7182, 90.0518)
contains.

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Color

**XYZ(45.7019, 21.6208,
89.7602)**

Conversions

Conversions Part 1

Format	Color
Hex	DA00F7
RGB	218, 0, 247
RGB Percent	85%, 0%, 97%
CMY	0.1451, 0.9999, 0.0314
CMYK	0.12, 1.00, 0.00, 0.03
HSL	293°, 100%, 48%
HSV	293°, 100%, 97%
XYZ	45.7019, 21.6208, 89.7602
YIQ	93.3400, 50.6410, 123.0330

Conversions

Conversions Part 2

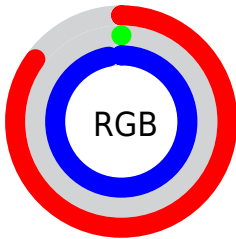
Format	Color
RYB	218, 0, 247
Decimal	14287095
CIELab	53.62, 91.62, -67.49
CIElCh	54, 113.793, 323.622
Yxy	21.6208, 0.2909, 0.1376
Android (android.graphics.Color)	4292477175 (0xFFDA00F7)
YUV	93.3400, 75.7544, 109.3268
Hunter-Lab	46.4982, 94.0714, -81.9049

Details

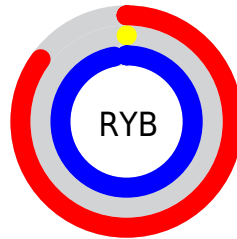
The XYZ color **45.7019, 21.6208, 89.7602** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.7684, 66.7834, 11.1114**, and the grayscale version is **10.3079, 10.8448, 11.8099**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **23.0899, 10.8422, 49.0199** is the 20% darker color. If you saturate the color by 10%, you get **45.7017, 21.6207, 89.7605**, and if you desaturate by 10%, it is **46.9194, 22.7558, 89.9154**.

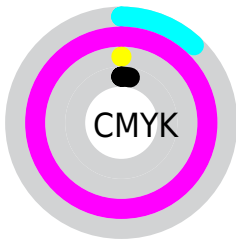
Distribution



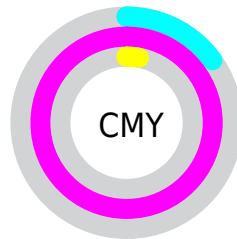
- Red (85%)
- Green (0%)
- Blue (97%)



- Red (85%)
- Yellow (0%)
- Blue (97%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (15%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7019, 21.6208, 89.7602 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 45.7019, 21.6208, 89.7602 by changing the saturation by 10% instead.


 45.7019, 21.6208,
89.7602

 45.7019, 21.6208,
89.7602

360.3449,
260.5596, 547.8004

 32.2143, 13.5785,
67.2092


 83.0033, 46.1185,
148.9379


 21.6816, 7.8281,
48.7920


 107.5478, 63.3426,
186.4016


 13.7384, 3.9852,
34.0901


 136.5086, 84.3963,
229.6733

 8.0194, 1.6653,
22.6849

 170.2511,
109.6637, 279.1715

 4.1593, 0.4010,
14.1579

 209.1406,
139.5293, 335.3148

 1.7926, 0.0000,
8.0906

253.5425,

 0.5132, 0.0000,

174.3776, 398.5217

4.0643

303.8222,
214.5929, 469.2107

■ 0.0000, 0.0000,
1.6607

■ 0.0000, 0.0000,
0.3336

■ 45.7019, 21.6208,
89.7602

■ 45.7019, 21.6208,
89.7602

■ 45.7017, 21.6207,
89.7605

■ 46.9194, 22.7558,
89.9154

■ 48.5840, 24.7635,
90.2152

■ 50.8305, 27.9123,
90.7046

■ 53.7396, 32.3634,
91.4104

■ 57.3791, 38.2522,
92.3553

■ 61.8081, 45.6970,
93.5588

■ 67.0797, 54.8038,
95.0388

■ 73.2423, 65.6693,
96.8112

■ 80.3406, 78.3829,
98.8911

Harmonies

Analogous

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



31.4124, 21.6208, 153.5814



45.7019, 21.6208, 89.7602



53.6367, 21.6208, 31.7893

Triad

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



45.7019, 21.6208, 89.7602



23.2577, 21.6208, 0.0000



5.7111, 21.6208, 61.8487

Complementary

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



45.7019, 21.6208, 89.7602



33.7684, 66.7834, 11.1114

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.



4.9729, 21.6208, 16.8599



45.7019, 21.6208, 89.7602



12.5339, 21.6208, 0.0000

Square

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



45.7019, 21.6208, 89.7602



37.7670, 21.6208, 0.0584



6.8899, 21.6208, 1.9747



9.5694, 21.6208, 129.0508

Rectangle

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



45.7019, 21.6208, 89.7602



52.6703, 21.6208, 11.0320



6.8899, 21.6208, 1.9747



5.1747, 21.6208, 43.0914

Sweetspot

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



45.7029, 21.6217, 89.7607



72.0823, 58.8562, 102.1690



17.3315, 7.8008, 88.5883



14.8924, 11.6655, 21.7167



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.



45.7029, 21.6217, 89.7607



49.1198, 23.2371, 96.5040



44.3966, 22.1901, 33.5927



17.0109, 16.6638, 20.8624



24.2493, 11.4753, 47.4749



2.1844, 1.0360, 4.1751

Inverse Universe

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



38.5803, 19.8636, 2.9646



41.4736, 21.3534, 3.1601



35.1316, 67.2701, 20.9363



16.5783, 16.5142, 17.5257



20.4296, 10.5153, 1.7047



1.8207, 0.9342, 0.2821

Previews

White Background



This preview shows how the XYZ color 45.7019, 21.6208, 89.7602 looks on a white background.

Color Contrast Check

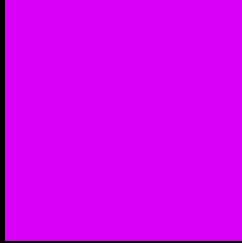
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7019, 21.6208, 89.7602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

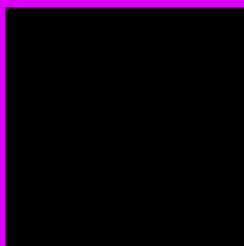
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.7019, 21.6208, 89.7602

Background



This preview shows how black text looks on a background with the XYZ color 45.7019, 21.6208, 89.7602.



This preview shows how white text looks on a background with the XYZ color 45.7019, 21.6208,

89.7602.

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

45.7019, 21.6208, 89.7602

Protanopia

26.3799, 22.4008, 97.5412

Deuteranopia

23.1476, 22.4993, 79.4667



Tritanopia

30.5928, 21.8282, 15.6976

Trichromacy



Original Color

45.7019, 21.6208, 89.7602



Protanomaly

26.5028, 15.8914, 93.7660



Deuteranomaly

22.9706, 14.7822, 81.7633



Tritanomaly

33.4555, 19.1109, 33.3780

Monochromacy



Original Color

45.7019, 21.6208, 89.7602



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.4700, 10.7011, 29.5785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7019, 21.6208, 89.7602 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(218, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 45.7019, 21.6208, 89.7602 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(218, 0, 247) }
```


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

```
.border{ border-color:rgb(218, 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(218, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7019, 21.6208, 89.7602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 247) }
```

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

```
.background{ background-color: rgb(218, 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](#).

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