

Converting Colors

XYZ(43.8716, 21.1141, 69.9386)

Have a look what the booklet for
XYZ(43.8716, 21.1141, 69.9386)
contains.

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Color

**XYZ(43.7916, 21.0678,
70.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	E000DD
RGB	224, 0, 221
RGB Percent	88%, 0%, 87%
CMY	0.1216, 0.9999, 0.1333
CMYK	0.00, 1.00, 0.01, 0.12
HSL	301°, 100%, 44%
HSV	301°, 100%, 88%
XYZ	43.7916, 21.0678, 70.1650
YIQ	92.1700, 62.5630, 116.2190

Conversions

Conversions Part 2

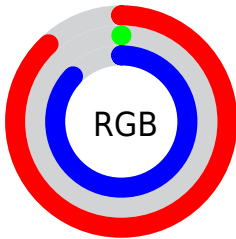
Format	Color
RYB	224, 0, 221
Decimal	14680285
CIELab	53.02, 88.66, -53.74
CIELCh	53, 103.679, 328.778
Yxy	21.0678, 0.3243, 0.1560
Android (android.graphics.Color)	4292870365 (0xFFE000DD)
YUV	92.1700, 63.5132, 115.6149
Hunter-Lab	45.8997, 89.9775, -58.5045

Details

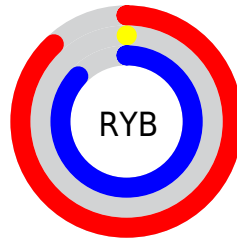
The XYZ color **43.7916, 21.0678, 70.1650** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.6731, 53.3189, 8.9730**, and the grayscale version is **10.0653, 10.5894, 11.5319**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.1014, 10.6091, 36.4802** is the 20% darker color. If you saturate the color by 10%, you get **43.7920, 21.0679, 70.1649**, and if you desaturate by 10%, it is **44.1274, 21.6747, 70.4746**.

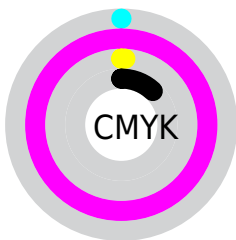
Distribution



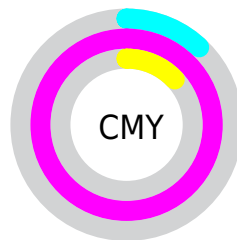
- Red (88%)
- Green (0%)
- Blue (87%)



- Red (88%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7916, 21.0678, 70.1650 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 43.7916, 21.0678, 70.1650 by changing the saturation by 10% instead.

 43.7916, 21.0678,
70.1650


 43.7916, 21.0678,
70.1650

352.7238,
257.6386, 479.9339


 30.7039, 13.1736,
51.1834

 80.1524, 45.2003,
121.1273


 20.5242, 7.5482,
35.9769


 104.1561, 62.2074,
153.9452

 12.8871, 3.8072,
24.1268


 132.5293, 83.0210,
192.2122

 7.4273, 1.5663,
15.2146

 165.6373,
108.0253, 236.3470

 3.7795, 0.3347,
8.8219

 203.8453,
137.6048, 286.7680

 1.5781, 0.0000,
4.5299

 247.5189,

 0.3781, 0.0000,

172.1440, 343.8938

1.9203

297.0232,
212.0271, 408.1429

■ 0.0000, 0.0000,
0.5056

■ 0.0000, 0.0000,
0.0000

■ 43.7916, 21.0678,
70.1650

■ 43.7916, 21.0678,
70.1650

■ 43.7920, 21.0679,
70.1649

■ 44.1274, 21.6747,
70.4746

■ 44.8044, 22.9645,
70.8981

■ 45.9337, 25.1588,
71.4727

■ 47.5784, 28.3836,
72.2194

■ 49.7914, 32.7451,
73.1560

■ 52.6192, 38.3362,
74.2979

■ 56.1035, 45.2400,
75.6589

■ 60.2823, 53.5329,
77.2518

■ 65.1909, 63.2849,
79.0883

Harmonies

Analogous

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



31.8876, 21.0678, 125.8305



43.7916, 21.0678, 70.1650



49.0927, 21.0678, 24.2422

Triad

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



43.7916, 21.0678, 70.1650



20.4742, 21.0678, 0.0000



6.7093, 21.0678, 65.5996

Complementary

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



43.7916, 21.0678, 70.1650



26.6731, 53.3189, 8.9730

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.



5.5398, 21.0678, 21.6838



43.7916, 21.0678, 70.1650



11.5425, 21.0678, 0.0382

Square

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



43.7916, 21.0678, 70.1650



32.9542, 21.0678, 0.1928



6.9271, 21.0678, 3.7833



11.0149, 21.0678, 121.8941

Rectangle

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



43.7916, 21.0678, 70.1650



47.1030, 21.0678, 8.5464



6.9271, 21.0678, 3.7833



6.0243, 21.0678, 48.1564

Sweetspot

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



43.7925, 21.0688, 70.1654



75.1454, 60.4543, 101.4532



13.4556, 5.3829, 70.8517



15.6375, 12.0543, 21.5419



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.



43.7925, 21.0688, 70.1654



58.7447, 28.2619, 94.1085



33.6670, 17.0186, 16.8454



14.2867, 13.9323, 17.2800



25.4935, 12.2644, 40.8600



1.7697, 0.8511, 2.8458

Inverse Universe

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



43.7925, 21.0688, 70.1654



58.7447, 28.2619, 94.1085



29.5822, 54.4825, 24.2920



14.2867, 13.9323, 17.2800



25.4935, 12.2644, 40.8600



1.7697, 0.8511, 2.8458

Previews

White Background



This preview shows how the XYZ color 43.7916, 21.0678, 70.1650 looks on a white background.

Color Contrast Check

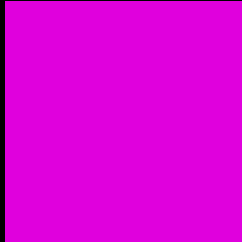
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7916, 21.0678, 70.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

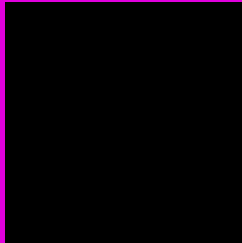
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.7916, 21.0678, 70.1650

Background



This preview shows how black text looks on a background with the XYZ color 43.7916, 21.0678, 70.1650.



This preview shows how white text looks on a background with the XYZ color 43.7916, 21.0678,

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

43.7916, 21.0678, 70.1650

Protanopia

26.0570, 22.0474, 97.4900

Deuteranopia

22.4126, 21.6979, 62.6813



Tritanopia

31.9183, 21.2907, 12.5525

Trichromacy



Original Color

43.7916, 21.0678, 70.1650



Protanomaly

24.9175, 15.1272, 86.4006



Deuteranomaly

24.4684, 15.5945, 64.6712



Tritanomaly

34.0507, 19.0435, 26.3072

Monochromacy



Original Color

43.7916, 21.0678, 70.1650



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0394, 10.5675, 25.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7916, 21.0678, 70.1650 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(224, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 221)  
}
```

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(224, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 221) }
```

Border

The CSS property to change the border of an element to XYZ 43.7916, 21.0678, 70.1650 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(224, 0, 221) }
```


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

```
.border{ border-color:rgb(224, 0, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7916, 21.0678, 70.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 221) }
```

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

```
.background{ background-color: rgb(224, 0,  
221) }
```

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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