

Converting Colors

XYZ(42.2682, 18.3793, 68.7258)

Have a look what the booklet for
XYZ(42.2682, 18.3793, 68.7258)
contains.

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Color

**XYZ(43.6587, 21.0146,
69.4653)**

Conversions

Conversions Part 1

Format	Color
Hex	E000DC
RGB	224, 0, 220
RGB Percent	88%, 0%, 86%
CMY	0.1216, 0.9999, 0.1373
CMYK	0.00, 1.00, 0.02, 0.12
HSL	301°, 100%, 44%
HSV	301°, 100%, 88%
XYZ	43.6587, 21.0146, 69.4653
YIQ	92.0560, 62.8840, 115.9080

Conversions

Conversions Part 2

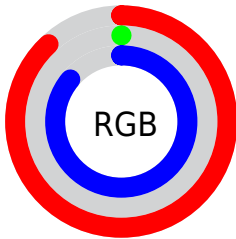
Format	Color
RYB	224, 0, 220
Decimal	14680284
CIELab	52.97, 88.52, -53.27
CIELCh	53, 103.313, 328.963
Yxy	21.0146, 0.3255, 0.1567
Android (android.graphics.Color)	4292870364 (0xFFE000DC)
YUV	92.0560, 63.0764, 115.7149
Hunter-Lab	45.8417, 89.7769, -57.7548

Details

The XYZ color **43.6587, 21.0146, 69.4653** 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 **26.6785, 53.3210, 9.0018**, and the grayscale version is **10.0398, 10.5627, 11.5028**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.0107, 10.5728, 36.0026** is the 20% darker color. If you saturate the color by 10%, you get **43.6591, 21.0148, 69.4651**, and if you desaturate by 10%, it is **44.0076, 21.6267, 69.8435**.

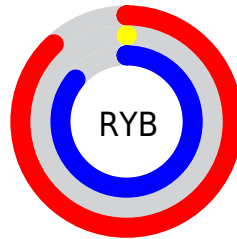
Distribution



Red (88%)

Green (0%)

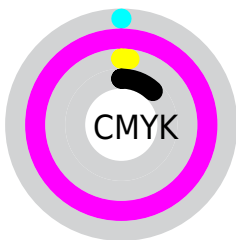
Blue (86%)



Red (88%)

Yellow (0%)

Blue (86%)

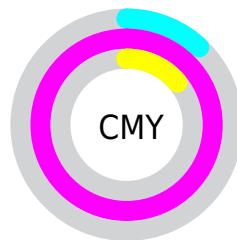


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6587, 21.0146, 69.4653 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 43.6587, 21.0146, 69.4653 by changing the saturation by 10% instead.

 43.6587, 21.0146,
69.4653


 43.6587, 21.0146,
69.4653

352.1895,
257.3561, 477.4087


 30.5990, 13.1347,
50.6166


 79.9535, 45.1118,
120.1199


 20.4440, 7.5214,
35.5290


 103.9193, 62.0979,
152.7629

 12.8284, 3.7902,
23.7838


 132.2512, 82.8882,
190.8410

 7.3866, 1.5569,
14.9626

 165.3145,
107.8671, 234.7729

 3.7535, 0.3283,
8.6468

 203.4747,
137.4189, 284.9771

 1.5637, 0.0000,
4.4179

 247.0970,

 0.3685, 0.0000,

171.9280, 341.8721

1.8573

296.5468,
211.7790, 405.8764

■ 0.0000, 0.0000,
0.4654

■ 0.0000, 0.0000,
0.0000

■ 43.6587, 21.0146,
69.4653

■ 43.6587, 21.0146,
69.4653

■ 43.6591, 21.0148,
69.4651

■ 44.0076, 21.6267,
69.8435

■ 44.6976, 22.9216,
70.3359

■ 45.8400, 25.1211,
70.9798

■ 47.4978, 28.3511,
71.7961

■ 49.7240, 32.7178,
72.8025

■ 52.5651, 38.3140,
74.0144

■ 56.0627, 45.2232,
75.4459

■ 60.2549, 53.5212,
77.1095

■ 65.1768, 63.2785,
79.0169

Harmonies

Analogous

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



31.8507, 21.0146, 124.7856



43.6587, 21.0146, 69.4653



48.8691, 21.0146, 23.9779

Triad

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



43.6587, 21.0146, 69.4653



20.3531, 21.0146, 0.0000



6.7319, 21.0146, 65.6184

Complementary

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



43.6587, 21.0146, 69.4653



26.6785, 53.3210, 9.0018

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.



5.5491, 21.0146, 21.8187



43.6587, 21.0146, 69.4653



11.4912, 21.0146, 0.0649

Square

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



43.6587, 21.0146, 69.4653



32.7501, 21.0146, 0.1956



6.9161, 21.0146, 3.8490



11.0455, 21.0146, 121.4708

Rectangle

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



43.6587, 21.0146, 69.4653



46.8515, 21.0146, 8.4573



6.9161, 21.0146, 3.8490



6.0429, 21.0146, 48.2495

Sweetspot

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



43.6596, 21.0156, 69.4657



75.0908, 60.4324, 101.1654



13.5023, 5.4070, 70.8539



15.6242, 12.0489, 21.4717



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.



43.6596, 21.0156, 69.4657



58.5652, 28.1901, 93.1631



33.4632, 16.9371, 15.7727



14.2839, 13.9312, 17.2653



25.4173, 12.2339, 40.4590



1.7652, 0.8494, 2.8225

Inverse Universe

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



43.6596, 21.0156, 69.4657



58.5652, 28.1901, 93.1631



29.7944, 54.5674, 25.4095



14.2839, 13.9312, 17.2653



25.4173, 12.2339, 40.4590



1.7652, 0.8494, 2.8225

Previews

White Background



This preview shows how the XYZ color 43.6587, 21.0146, 69.4653 looks on a white background.

Color Contrast Check

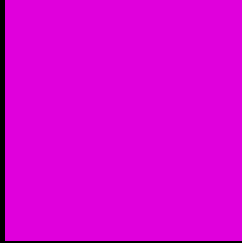
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.6587, 21.0146, 69.4653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

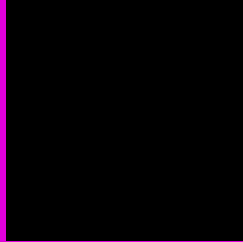
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.6587, 21.0146, 69.4653

Background



This preview shows how black text looks on a background with the XYZ color 43.6587, 21.0146, 69.4653.



This preview shows how white text looks on a background with the XYZ color 43.6587, 21.0146,

69.4653.

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

43.6587, 21.0146, 69.4653

Protanopia

26.0206, 22.0286, 97.4883

Deuteranopia

22.3750, 21.6927, 62.0393



Tritanopia

31.8379, 21.1299, 12.5257

Trichromacy



Original Color

43.6587, 21.0146, 69.4653



Protanomaly

24.6487, 15.0060, 85.6017



Deuteranomaly

24.4990, 15.6249, 64.0120



Tritanomaly

34.0507, 19.0435, 26.3072

Monochromacy



Original Color

43.6587, 21.0146, 69.4653



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 43.6587, 21.0146, 69.4653 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 220) }
```

Border

The CSS property to change the border of an element to XYZ 43.6587, 21.0146, 69.4653 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, 220) }
```


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

```
.border{ border-color:rgb(224, 0, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6587, 21.0146, 69.4653 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, 220) }
```

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

```
.background{ background-color: rgb(224, 0,  
220) }
```

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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