

Converting Colors

XYZ(43.6370, 21.0203, 68.7031)

Have a look what the booklet for
XYZ(43.6370, 21.0203, 68.7031)
contains.

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Color

**XYZ(43.5267, 20.9618,
68.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	E000DB
RGB	224, 0, 219
RGB Percent	88%, 0%, 86%
CMY	0.1216, 0.9999, 0.1412
CMYK	0.00, 1.00, 0.02, 0.12
HSL	301°, 100%, 44%
HSV	301°, 100%, 88%
XYZ	43.5267, 20.9618, 68.7697
YIQ	91.9420, 63.2050, 115.5970

Conversions

Conversions Part 2

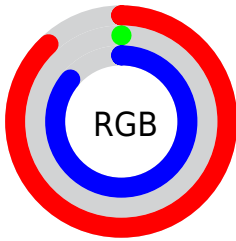
Format	Color
R_{YB}	224, 0, 219
Decimal	14680283
CIE _{Lab}	52.91, 88.38, -52.79
CIE _{LCh}	53, 102.948, 329.150
Yxy	20.9618, 0.3266, 0.1573
Android (android.graphics.Color)	4292870363 (0xFFE000DB)
YUV	91.9420, 62.6396, 115.8149
Hunter-Lab	45.7841, 89.5771, -57.0074

Details

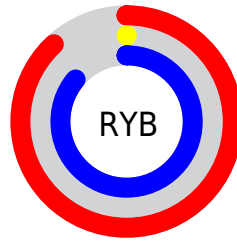
The XYZ color **43.5267, 20.9618, 68.7697** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.6841, 53.3234, 9.0307**, and the grayscale version is **10.0147, 10.5362, 11.4739**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **21.9207, 10.5369, 35.5288** is the 20% darker color. If you saturate the color by 10%, you get **43.5271, 20.9620, 68.7694**, and if you desaturate by 10%, it is **43.8884, 21.5790, 69.2158**.

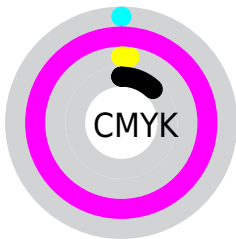
Distribution



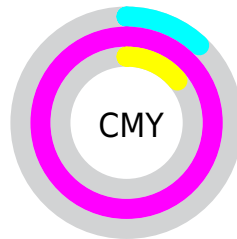
- Red (88%)
- Green (0%)
- Blue (86%)



- 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 43.5267, 20.9618, 68.7697 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 43.5267, 20.9618, 68.7697 by changing the saturation by 10% instead.

 43.5267, 20.9618,
68.7697


 43.5267, 20.9618,
68.7697


351.6583,
257.0754, 474.8902


 30.4949, 13.0961,
50.0536


 79.7558, 45.0240,
119.1172


 20.3645, 7.4947,
35.0845


 103.6839, 61.9892,
151.5856


 12.7701, 3.7734,
23.4439


 131.9747, 82.7564,
189.4753

 7.3463, 1.5476,
14.7132

 164.9937,
107.7099, 233.2046

 3.7279, 0.3219,
8.4740

 203.1062,
137.2342, 283.1923

 1.5494, 0.0000,
4.3076

 246.6776,

 0.3590, 0.0000,

171.7136, 339.8567

1.7956

296.0731,
211.5325, 403.6165

■ 0.0000, 0.0000,
0.4250

■ 0.0000, 0.0000,
0.0000

■ 43.5267, 20.9618,
68.7697

■ 43.5267, 20.9618,
68.7697

■ 43.5271, 20.9620,
68.7694

■ 43.8884, 21.5790,
69.2158

■ 44.5914, 22.8791,
69.7765

■ 45.7469, 25.0838,
70.4890

■ 47.4178, 28.3191,
71.3743

■ 49.6571, 32.6910,
72.4501

■ 52.5115, 38.2925,
73.7318

■ 56.0224, 45.2070,
75.2334

■ 60.2280, 53.5104,
76.9676

■ 65.1634, 63.2731,
78.9459

Harmonies

Analogous

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



31.8144, 20.9618, 123.7462



43.5267, 20.9618, 68.7697



48.6465, 20.9618, 23.7152

Triad

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



43.5267, 20.9618, 68.7697



20.2324, 20.9618, 0.0000



6.7548, 20.9618, 65.6388

Complementary

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



43.5267, 20.9618, 68.7697



26.6841, 53.3234, 9.0307

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.



5.5586, 20.9618, 21.9551



43.5267, 20.9618, 68.7697



11.4402, 20.9618, 0.0917

Square

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



43.5267, 20.9618, 68.7697



32.5470, 20.9618, 0.1984



6.9053, 20.9618, 3.9158



11.0765, 20.9618, 121.0501

Rectangle

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



43.5267, 20.9618, 68.7697



46.6013, 20.9618, 8.3688



6.9053, 20.9618, 3.9158



6.0616, 20.9618, 48.3441

Sweetspot

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



43.5275, 20.9628, 68.7701



75.0362, 60.4106, 100.8779



13.5023, 5.4070, 70.8541



15.6109, 12.0436, 21.4016



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.



43.5275, 20.9628, 68.7701



58.3866, 28.1187, 92.2229



33.4633, 16.9371, 15.7726



14.2811, 13.9301, 17.2506



25.3416, 12.2036, 40.0602



1.7608, 0.8476, 2.7992

Inverse Universe

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



43.5275, 20.9628, 68.7701



58.3866, 28.1187, 92.2229



29.7944, 54.5675, 25.4095



14.2811, 13.9301, 17.2506



25.3416, 12.2036, 40.0602



1.7608, 0.8476, 2.7992

Previews

White Background



This preview shows how the XYZ color 43.5267, 20.9618, 68.7697 looks on a white background.

Color Contrast Check

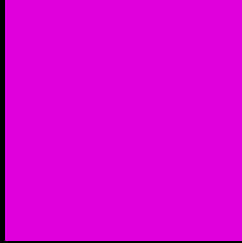
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.5267, 20.9618, 68.7697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

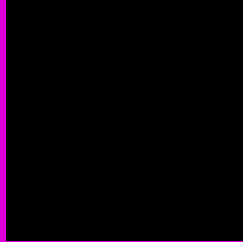
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.5267, 20.9618, 68.7697

Background



This preview shows how black text looks on a background with the XYZ color 43.5267, 20.9618, 68.7697.



This preview shows how white text looks on a background with the XYZ color 43.5267, 20.9618,

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

43.5267, 20.9618, 68.7697

Protanopia

25.9852, 22.0104, 97.4866

Deuteranopia

22.3394, 21.6884, 61.4014



Tritanopia

32.1235, 21.2772, 12.5390

Trichromacy



Original Color

43.5267, 20.9618, 68.7697



Protanomaly

24.5319, 14.9458, 85.5963



Deuteranomaly

24.5318, 15.6563, 63.3570



Tritanomaly

34.2725, 19.1663, 25.9379

Monochromacy



Original Color

43.5267, 20.9618, 68.7697



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.9666, 10.5384, 25.1846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5267, 20.9618, 68.7697 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 219) }
```

Border

The CSS property to change the border of an element to XYZ 43.5267, 20.9618, 68.7697 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, 219) }
```


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

```
.border{ border-color:rgb(224, 0, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5267, 20.9618, 68.7697 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, 219) }
```

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

```
.background{ background-color: rgb(224, 0,  
219) }
```

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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