

Converting Colors

XYZ(46.5899, 23.0813, 44.5003)

Have a look what the booklet for
XYZ(46.5899, 23.0813, 44.5003)
contains.

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Color

**XYZ(46.4945, 23.0288,
44.6423)**

Conversions

Conversions Part 1

Format	Color
Hex	F700B3
RGB	247, 0, 179
RGB Percent	97%, 0%, 70%
CMY	0.0314, 0.9998, 0.2980
CMYK	0.00, 1.00, 0.28, 0.03
HSL	317°, 100%, 48%
HSV	317°, 100%, 97%
XYZ	46.4945, 23.0288, 44.6423
YIQ	94.2590, 89.7530, 108.0330

Conversions

Conversions Part 2

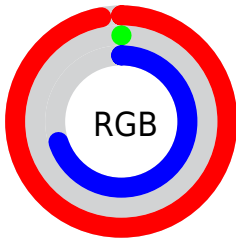
Format	Color
R_{YB}	247, 0, 179
Decimal	16187571
CIE _{Lab}	55.10, 87.49, -25.99
CIE _{LCh}	55, 91.270, 343.456
Yxy	23.0288, 0.4073, 0.2017
Android (android.graphics.Color)	4294377651 (0xFFFF700B3)
YUV	94.2590, 41.7773, 133.9539
Hunter-Lab	47.9883, 88.9639, -21.5641

Details

The XYZ color **46.4945, 23.0288, 44.6423** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **34.3065, 66.9402, 16.5897**, and the grayscale version is **10.5968, 11.1487, 12.1409**.

A 20% lighter version of the original color is **60.7926, 36.3725, 82.4137**, and **23.7735, 11.8206, 20.7673** is the 20% darker color. If you saturate the color by 10%, you get **46.4933, 23.0284, 44.6350**, and if you desaturate by 10%, it is **47.5422, 23.9957, 48.4698**.

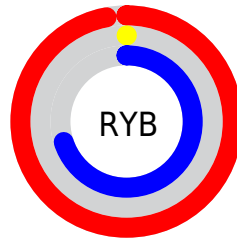
Distribution



Red (97%)

Green (0%)

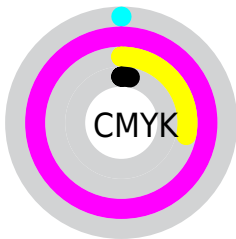
Blue (70%)



Red (97%)

Yellow (0%)

Blue (70%)

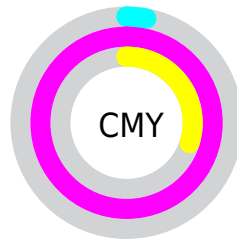


Cyan (0%)

Magenta (100%)

Yellow (28%)

Black (3%)



Cyan (3%)

Magenta (100%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4945, 23.0288, 44.6423 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 46.4945, 23.0288, 44.6423 by changing the saturation by 10% instead.

 46.4945, 23.0288,
44.6423


 46.4945, 23.0288,
44.6423


363.4759,
267.8729, 381.4407


 32.8425, 14.6148,
30.8349


 84.1819, 48.4406,
83.4961


 22.1645, 8.5495,
20.2157


 108.9480, 66.2072,
109.3796


 14.0951, 4.4485,
12.3663


 138.1496, 87.8601,
140.1256

 8.2690, 1.9275,
6.8681

 172.1519,
113.7837, 176.1525

 4.3208, 0.5648,
3.3026

 211.3203,
144.3623, 217.8789

 1.8852, 0.0000,
1.2511

256.0202,

 0.5682, 0.0000,

179.9805, 265.7234

0.0212

306.6169,
221.0226, 320.1045

■ 0.0000, 0.0000,
0.0000

■ 46.4945, 23.0288,
44.6423

■ 46.4945, 23.0288,
44.6423

■ 46.4933, 23.0284,
44.6350

■ 47.5422, 23.9957,
48.4698

■ 49.0567, 25.8414,
52.6226

■ 51.1727, 28.8344,
57.1480

■ 53.9714, 33.1361,
62.0752

■ 57.5207, 38.8819,
67.4291

■ 61.8804, 46.1903,
73.2317

■ 67.1037, 55.1674,
79.5031

■ 73.2394, 65.9102,
86.2614

■ 80.3327, 78.5078,
93.5238

Harmonies

Analogous

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



38.2811, 23.0288, 91.6585



46.4945, 23.0288, 44.6423



46.9468, 23.0288, 14.1699

Triad

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



46.4945, 23.0288, 44.6423



17.6459, 23.0288, 0.4362



10.5405, 23.0288, 86.6856

Complementary

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



46.4945, 23.0288, 44.6423



34.3065, 66.9402, 16.5897

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.



7.8462, 23.0288, 40.4943



46.4945, 23.0288, 44.6423



11.0051, 23.0288, 2.4335

Square

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



46.4945, 23.0288, 44.6423



27.9423, 23.0288, 0.5252



7.9847, 23.0288, 12.2687



16.7785, 23.0288, 126.1909

Rectangle

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



46.4945, 23.0288, 44.6423



42.5929, 23.0288, 5.1382



7.9847, 23.0288, 12.2687



9.2910, 23.0288, 70.3555

Sweetspot

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



46.4952, 23.0301, 44.6427



72.1020, 59.2369, 85.4265



19.0295, 7.8715, 88.5125



14.9008, 11.7596, 17.6622



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.



46.4952, 23.0301, 44.6427



49.9741, 24.7536, 47.9229



39.1139, 20.0775, 5.7733



17.0076, 16.6859, 19.7864



24.6517, 12.2041, 23.9380



2.2099, 1.0899, 2.3316

Inverse Universe

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



46.4952, 23.0301, 44.6427



49.9741, 24.7536, 47.9229



42.4881, 70.2128, 59.6732



17.0076, 16.6859, 19.7864



24.6517, 12.2041, 23.9380



2.2099, 1.0899, 2.3316

Previews

White Background



This preview shows how the XYZ color 46.4945, 23.0288, 44.6423 looks on a white background.

Color Contrast Check

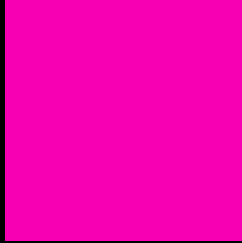
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4945, 23.0288, 44.6423 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 46.4945, 23.0288, 44.6423

Background



This preview shows how black text looks on a background with the XYZ color 46.4945, 23.0288, 44.6423.



This preview shows how white text looks on a background with the XYZ color 46.4945, 23.0288,

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

46.4945, 23.0288, 44.6423

Protanopia

27.9502, 23.9773, 97.7627

Deuteranopia

24.1446, 23.6897, 39.8592



Tritanopia

39.0859, 23.3516, 8.9258

Trichromacy



Original Color

46.4945, 23.0288, 44.6423



Protanomaly

26.0883, 16.3265, 74.4494



Deuteranomaly

27.4572, 17.8974, 40.5355



Tritanomaly

40.4810, 21.9239, 17.4274

Monochromacy



Original Color

46.4945, 23.0288, 44.6423



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8952, 11.1964, 20.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4945, 23.0288, 44.6423 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(247, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 179)  
}
```

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(247, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.4945, 23.0288, 44.6423 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(247, 0, 179) }
```


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

```
.border{ border-color:rgb(247, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4945, 23.0288, 44.6423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 179) }
```

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

```
.background{ background-color: rgb(247, 0,  
179) }
```

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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