

Converting Colors

XYZ(46.6824, 23.0149, 49.6578)

Have a look what the booklet for
XYZ(46.6824, 23.0149, 49.6578)
contains.

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Color

**XYZ(46.7333, 23.0433,
49.5616)**

Conversions

Conversions Part 1

Format	Color
Hex	F500BC
RGB	245, 0, 188
RGB Percent	96%, 0%, 74%
CMY	0.0392, 0.9998, 0.2627
CMYK	0.00, 1.00, 0.23, 0.04
HSL	314°, 100%, 48%
HSV	314°, 100%, 96%
XYZ	46.7333, 23.0433, 49.5616
YIQ	94.6870, 85.6720, 110.4080

Conversions

Conversions Part 2

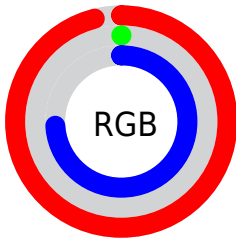
Format	Color
R_{YB}	245, 0, 188
Decimal	16056508
CIE _{Lab}	55.12, 88.10, -31.23
CIE _{LCh}	55, 93.472, 340.480
Yxy	23.0433, 0.3916, 0.1931
Android (android.graphics.Color)	4294246588 (0xFFFF500BC)
YUV	94.6870, 46.0033, 131.8245
Hunter-Lab	48.0034, 89.7710, -27.6121

Details

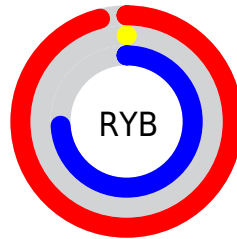
The XYZ color **46.7333, 23.0433, 49.5616** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **33.3930, 65.6014, 14.7799**, and the grayscale version is **10.6889, 11.2455, 12.2464**.

A 20% lighter version of the original color is **62.2786, 36.9669, 90.2391**, and **23.8315, 11.7885, 23.5736** is the 20% darker color. If you saturate the color by 10%, you get **46.7323, 23.0429, 49.5551**, and if you desaturate by 10%, it is **47.6986, 23.9704, 52.9761**.

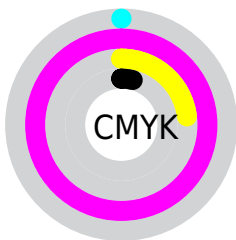
Distribution



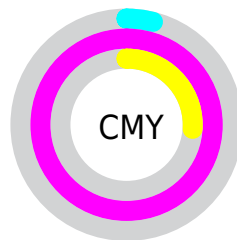
- Red (96%)
- Green (0%)
- Blue (74%)



- Red (96%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7333, 23.0433, 49.5616 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 46.7333, 23.0433, 49.5616 by changing the saturation by 10% instead.


 46.7333, 23.0433,
49.5616


 46.7333, 23.0433,
49.5616


364.4157,
267.9473, 401.6349


 33.0319, 14.6255,
34.6964


 84.5366, 48.4644,
90.9146


 22.3103, 8.5570,
23.1475


 109.3691, 66.2365,
118.2395


 14.2029, 4.4534,
14.4961


 138.6429, 87.8955,
150.5547

 8.3446, 1.9303,
8.3238

 172.7231,
113.8257, 188.2789

 4.3699, 0.5665,
4.2121

 211.9751,
144.4116, 231.8304

 1.9134, 0.0000,
1.7424

256.7643,

 0.5846, 0.0000,

180.0376, 281.6279

0.3896

307.4560,
221.0880, 338.0899

■ 0.0000, 0.0000,
0.0000

■ 46.7333, 23.0433,
49.5616

■ 46.7333, 23.0433,
49.5616

■ 46.7323, 23.0429,
49.5551

■ 47.6986, 23.9704,
52.9761

■ 49.1125, 25.7557,
56.6611

■ 51.1073, 28.6632,
60.6623

■ 53.7623, 32.8508,
65.0073

■ 57.1440, 38.4514,
69.7195

■ 61.3107, 45.5809,
74.8197

■ 66.3145, 54.3434,
80.3265

■ 72.2031, 64.8336,
86.2570

■ 79.0205, 77.1391,
92.6271

Harmonies

Analogous

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



37.6534, 23.0433, 98.9351



46.7333, 23.0433, 49.5616



48.1011, 23.0433, 16.0335

Triad

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



46.7333, 23.0433, 49.5616



18.4561, 23.0433, 0.2179



9.9236, 23.0433, 83.8163

Complementary

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



46.7333, 23.0433, 49.5616



33.3930, 65.6014, 14.7799

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.



7.5175, 23.0433, 37.0413



46.7333, 23.0433, 49.5616



11.3001, 23.0433, 1.8609

Square

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



46.7333, 23.0433, 49.5616



29.3019, 23.0433, 0.4844



7.9253, 23.0433, 10.3864



15.8663, 23.0433, 127.3382

Rectangle

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



46.7333, 23.0433, 49.5616



44.1038, 23.0433, 5.7886



7.9253, 23.0433, 10.3864



8.7752, 23.0433, 66.9008

Sweetspot

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



46.7341, 23.0445, 49.5620



72.5751, 59.4262, 87.9180



17.9567, 7.3539, 86.8597



15.0145, 11.8050, 18.2611



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.



46.7341, 23.0445, 49.5620



51.1653, 25.2301, 54.1957



38.7452, 19.8490, 7.4934



17.0390, 16.6985, 19.9521



25.2314, 12.4360, 26.9907



2.2566, 1.1086, 2.5779

Inverse Universe

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



46.7341, 23.0445, 49.5620



51.1653, 25.2301, 54.1957



40.4500, 68.4242, 51.9414



17.0390, 16.6985, 19.9521



25.2314, 12.4360, 26.9907



2.2566, 1.1086, 2.5779

Previews

White Background



This preview shows how the XYZ color 46.7333, 23.0433, 49.5616 looks on a white background.

Color Contrast Check

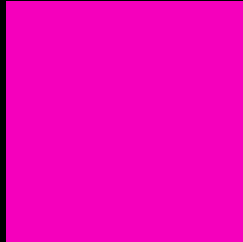
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7333, 23.0433, 49.5616 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 46.7333, 23.0433, 49.5616

Background



This preview shows how black text looks on a background with the XYZ color 46.7333, 23.0433, 49.5616.



This preview shows how white text looks on a background with the XYZ color 46.7333, 23.0433,

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

46.7333, 23.0433, 49.5616

Protanopia

27.8869, 23.9446, 97.7597

Deuteranopia

24.1212, 23.5781, 44.3540



Tritanopia

38.4160, 23.2805, 9.6766

Trichromacy



Original Color

46.7333, 23.0433, 49.5616



Protanomaly

26.4944, 16.4712, 77.3842



Deuteranomaly

27.2678, 17.6973, 45.1588



Tritanomaly

39.8831, 21.6918, 19.2244

Monochromacy



Original Color

46.7333, 23.0433, 49.5616



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1560, 11.3007, 21.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7333, 23.0433, 49.5616 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(245, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 188)  
}
```

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(245, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 46.7333, 23.0433, 49.5616 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(245, 0, 188) }
```


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

```
.border{ border-color:rgb(245, 0, 188) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7333, 23.0433, 49.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 188) }
```

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

```
.background{ background-color: rgb(245, 0,  
188) }
```

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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