

Converting Colors

XYZ(46.2183, 23.0831, 35.7445)

Have a look what the booklet for
XYZ(46.2183, 23.0831, 35.7445)
contains.

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Color

**XYZ(46.2167, 23.0824,
35.7377)**

Conversions

Conversions Part 1

Format	Color
Hex	FB00A1
RGB	251, 0, 161
RGB Percent	98%, 0%, 63%
CMY	0.0157, 0.9998, 0.3686
CMYK	0.00, 1.00, 0.36, 0.02
HSL	322°, 100%, 49%
HSV	322°, 100%, 98%
XYZ	46.2167, 23.0824, 35.7377
YIQ	93.4030, 97.9150, 103.2830

Conversions

Conversions Part 2

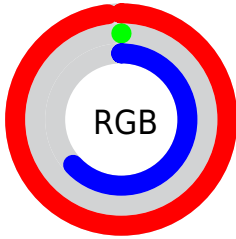
Format	Color
R_{YB}	251, 0, 161
Decimal	16449697
CIE _{Lab}	55.16, 86.47, -15.28
CIE _{LCh}	55, 87.806, 349.982
Yxy	23.0824, 0.4400, 0.2198
Android (android.graphics.Color)	4294639777 (0xFFFB00A1)
YUV	93.4030, 33.3253, 138.2126
Hunter-Lab	48.0441, 87.6332, -10.4720

Details

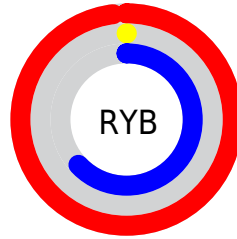
The XYZ color **46.2167, 23.0824, 35.7377** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.3458, 69.7340, 21.2298**, and the grayscale version is **10.4145, 10.9569, 11.9320**.

A 20% lighter version of the original color is **58.1918, 35.3322, 68.7185**, and **23.4994, 11.7955, 15.5062** is the 20% darker color. If you saturate the color by 10%, you get **46.2150, 23.0818, 35.7284**, and if you desaturate by 10%, it is **47.3906, 24.1136, 40.1880**.

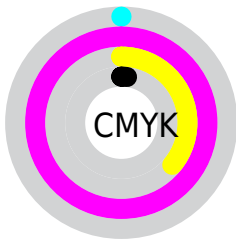
Distribution



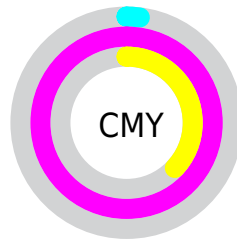
- Red (98%)
- Green (0%)
- Blue (63%)



- Red (98%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2167, 23.0824, 35.7377 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 46.2167, 23.0824, 35.7377 by changing the saturation by 10% instead.


 46.2167, 23.0824,
35.7377


 46.2167, 23.0824,
35.7377


362.3805,
268.1479, 342.8153


 32.6222, 14.6544,
23.9436


 83.7691, 48.5286,
69.7915


 21.9950, 8.5772,
15.0800


 108.4577, 66.3155,
92.8883


 13.9698, 4.4664,
8.7283


 137.5751, 87.9909,
120.5897

 8.1812, 1.9377,
4.4700

 171.4865,
113.9391, 153.3143

 4.2639, 0.5709,
1.8866

 210.5574,
144.5445, 191.4806

 1.8525, 0.0000,
0.4842

255.1532,

 0.5490, 0.0000,

180.1915, 235.5072

0.0000

305.6391,
221.2645, 285.8126

■ 0.0000, 0.0000,
0.0000

■ 46.2167, 23.0824,
35.7377

■ 46.2167, 23.0824,
35.7377

■ 46.2150, 23.0818,
35.7284

■ 47.3906, 24.1136,
40.1880

■ 49.0725, 26.0673,
45.0953

■ 51.4018, 29.2211,
50.5116

■ 54.4638, 33.7431,
56.4709

■ 58.3299, 39.7746,
63.0021

■ 63.0625, 47.4391,
70.1313

■ 68.7179, 56.8472,
77.8821

■ 75.3473, 68.0999,
86.2765

■ 82.9981, 81.2904,
95.3351

Harmonies

Analogous

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



39.7643, 23.0824, 78.2523



46.2167, 23.0824, 35.7377



44.8388, 23.0824, 10.8348

Triad

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



46.2167, 23.0824, 35.7377



16.1097, 23.0824, 0.8794



11.9165, 23.0824, 93.2504

Complementary

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



46.2167, 23.0824, 35.7377



36.3458, 69.7340, 21.2298

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.



8.5681, 23.0824, 48.4506



46.2167, 23.0824, 35.7377



10.4415, 23.0824, 3.9526

Square

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



46.2167, 23.0824, 35.7377



25.3830, 23.0824, 0.6034



8.1235, 23.0824, 16.8655



18.8218, 23.0824, 124.5246

Rectangle

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



46.2167, 23.0824, 35.7377



39.7758, 23.0824, 3.9603



8.1235, 23.0824, 16.8655



10.4368, 23.0824, 78.1960

Sweetspot

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



46.2174, 23.0837, 35.7381



71.2031, 58.8774, 80.6932



21.4270, 9.0355, 91.8816



14.6856, 11.6735, 16.5291



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.



46.2174, 23.0837, 35.7381



47.8998, 23.9239, 37.0003



40.1293, 20.6485, 3.6788



17.7133, 17.4127, 20.3462



24.3646, 12.1615, 19.1600



2.3072, 1.1466, 2.0410

Inverse Universe

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



46.2174, 23.0837, 35.7381



47.8998, 23.9239, 37.0003



46.5538, 73.8171, 74.9842



17.7133, 17.4127, 20.3462



24.3646, 12.1615, 19.1600



2.3072, 1.1466, 2.0410

Previews

White Background



This preview shows how the XYZ color 46.2167, 23.0824, 35.7377 looks on a white background.

Color Contrast Check

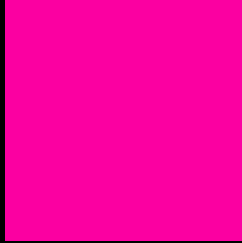
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2167, 23.0824, 35.7377 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 46.2167, 23.0824, 35.7377

Background



This preview shows how black text looks on a background with the XYZ color 46.2167, 23.0824, 35.7377.



This preview shows how white text looks on a background with the XYZ color 46.2167, 23.0824,

35.7377.

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

46.2167, 23.0824, 35.7377

Protanopia

26.3854, 23.8023, 78.0666

Deuteranopia

24.1351, 23.6562, 32.1482



Tritanopia

40.4730, 23.4726, 7.5518

Trichromacy



Original Color

46.2167, 23.0824, 35.7377



Protanomaly

26.3254, 16.8902, 59.6302



Deuteranomaly

27.7484, 18.2229, 32.6267



Tritanomaly

41.4997, 22.2996, 14.4289

Monochromacy



Original Color

46.2167, 23.0824, 35.7377



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.4117, 10.9200, 18.3296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2167, 23.0824, 35.7377 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(251, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 161)  
}
```

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(251, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 46.2167, 23.0824, 35.7377 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(251, 0, 161) }
```


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

```
.border{ border-color:rgb(251, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(251, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2167, 23.0824, 35.7377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 161) }
```

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

```
.background{ background-color: rgb(251, 0,  
161) }
```

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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