

Converting Colors

XYZ(46.0478, 23.0641, 32.6279)

Have a look what the booklet for
XYZ(46.0478, 23.0641, 32.6279)
contains.

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Color

**XYZ(45.9776, 23.0285,
32.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	FC009A
RGB	252, 0, 154
RGB Percent	99%, 0%, 60%
CMY	0.0118, 0.9998, 0.3961
CMYK	0.00, 1.00, 0.39, 0.01
HSL	323°, 100%, 49%
HSV	323°, 100%, 99%
XYZ	45.9776, 23.0285, 32.5935
YIQ	92.9040, 100.7580, 101.3180

Conversions

Conversions Part 2

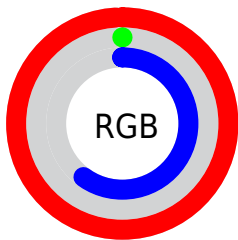
Format	Color
RYB	252, 0, 154
Decimal	16515226
CIELab	55.10, 86.03, -11.20
CIElCh	55, 86.753, 352.582
Yxy	23.0285, 0.4525, 0.2267
Android (android.graphics.Color)	4294705306 (0xFFFC009A)
YUV	92.9040, 30.1203, 139.5272
Hunter-Lab	47.9880, 87.0429, -6.6782

Details

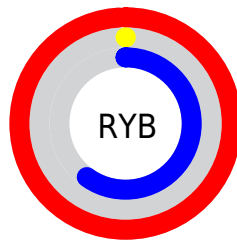
The XYZ color **45.9776, 23.0285, 32.5935** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.0185, 70.5041, 23.2274**, and the grayscale version is **10.3054, 10.8421, 11.8071**.

A 20% lighter version of the original color is **57.1823, 34.9284, 63.4025**, and **23.4344, 11.7981, 13.8741** is the 20% darker color. If you saturate the color by 10%, you get **45.9757, 23.0278, 32.5836**, and if you desaturate by 10%, it is **47.1811, 24.0750, 37.1888**.

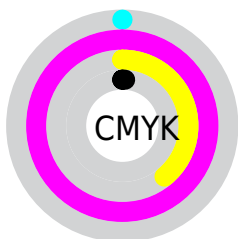
Distribution



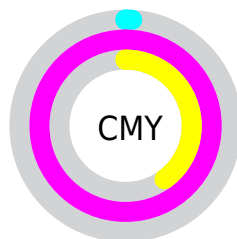
- Red (99%)
- Green (0%)
- Blue (60%)



- Red (99%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9776, 23.0285, 32.5935 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 45.9776, 23.0285, 32.5935 by changing the saturation by 10% instead.

 45.9776, 23.0285,
32.5935


 45.9776, 23.0285,
32.5935


361.4360,
267.8713, 328.3897


 32.4327, 14.6146,
21.5467


 83.4135, 48.4401,
64.8490


 21.8494, 8.5493,
13.3291


 108.0353, 66.2066,
86.8948


 13.8622, 4.4484,
7.5221


 137.0800, 87.8593,
113.4440

 8.1060, 1.9274,
3.7074

 170.9131,
113.7828, 144.9151

 4.2152, 0.5648,
1.4662

 209.8999,
144.3613, 181.7267

 1.8246, 0.0000,
0.1926

254.4057,

 0.5324, 0.0000,

179.9793, 224.2973

0.0000

304.7960,
221.0212, 273.0454

■ 0.0000, 0.0000,
0.0000

■ 45.9776, 23.0285,
32.5935

■ 45.9776, 23.0285,
32.5935

■ 45.9757, 23.0278,
32.5836

■ 47.1811, 24.0750,
37.1888

■ 48.9067, 26.0567,
42.2945

■ 51.2956, 29.2533,
47.9651

■ 54.4339, 33.8351,
54.2365

■ 58.3942, 39.9446,
61.1395

■ 63.2398, 47.7068,
68.7022

■ 69.0279, 57.2335,
76.9500

■ 75.8105, 68.6267,
85.9065

■ 83.6356, 81.9806,
95.5940

Harmonies

Analogous

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



40.2181, 23.0285, 73.3213



45.9776, 23.0285, 32.5935



43.9265, 23.0285, 9.6841

Triad

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



45.9776, 23.0285, 32.5935



15.4979, 23.0285, 1.0439



12.4250, 23.0285, 95.5681

Complementary

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



45.9776, 23.0285, 32.5935



37.0185, 70.5041, 23.2274

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.



8.8205, 23.0285, 51.5745



45.9776, 23.0285, 32.5935



10.1955, 23.0285, 4.6437

Square

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



45.9776, 23.0285, 32.5935



24.3763, 23.0285, 0.6275



8.1458, 23.0285, 18.8105



19.5749, 23.0285, 123.5700

Rectangle

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



45.9776, 23.0285, 32.5935



38.6245, 23.0285, 3.5491



8.1458, 23.0285, 18.8105



10.8563, 23.0285, 81.0951

Sweetspot

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



45.9783, 23.0298, 32.5939



70.8839, 58.7497, 79.0120



22.4624, 9.5510, 92.7550



14.6095, 11.6430, 16.1283



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.



45.9783, 23.0298, 32.5939



47.2247, 23.6539, 33.4450



40.3729, 20.7877, 3.0765



17.6903, 17.4035, 20.2247



24.0237, 12.0252, 17.3651



2.2770, 1.1345, 1.8819

Inverse Universe

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



45.9783, 23.0298, 32.5939



47.2247, 23.6539, 33.4450



48.0774, 74.9277, 81.4630



17.6903, 17.4035, 20.2247



24.0237, 12.0252, 17.3651



2.2770, 1.1345, 1.8819

Previews

White Background



This preview shows how the XYZ color 45.9776, 23.0285, 32.5935 looks on a white background.

Color Contrast Check

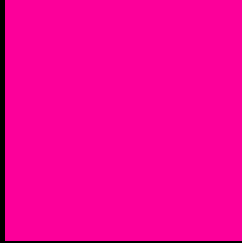
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9776, 23.0285, 32.5935 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 45.9776, 23.0285, 32.5935

Background



This preview shows how black text looks on a background with the XYZ color 45.9776, 23.0285, 32.5935.



This preview shows how white text looks on a background with the XYZ color 45.9776, 23.0285,

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

45.9776, 23.0285, 32.5935

Protanopia

25.8576, 23.6725, 71.6130

Deuteranopia

23.9635, 23.4345, 29.2469



Tritanopia

40.9237, 23.4705, 7.0760

Trichromacy



Original Color

45.9776, 23.0285, 32.5935



Protanomaly

26.3082, 16.9900, 54.7161



Deuteranomaly

27.5752, 18.0863, 29.6414



Tritanomaly

41.9038, 22.4353, 13.1882

Monochromacy



Original Color

45.9776, 23.0285, 32.5935



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.4210, 10.9450, 17.4141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9776, 23.0285, 32.5935 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(252, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 154)  
}
```

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(252, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 45.9776, 23.0285, 32.5935 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(252, 0, 154) }
```


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

```
.border{ border-color:rgb(252, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9776, 23.0285, 32.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 154) }
```

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

```
.background{ background-color: rgb(252, 0,  
154) }
```

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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