

Converting Colors

XYZ(46.6416, 23.3130, 35.2384)

Have a look what the booklet for
XYZ(46.6416, 23.3130, 35.2384)
contains.

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Color

**XYZ(46.4900, 23.2335,
35.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00A0
RGB	252, 0, 160
RGB Percent	99%, 0%, 63%
CMY	0.0118, 0.9998, 0.3725
CMYK	0.00, 1.00, 0.37, 0.01
HSL	322°, 100%, 49%
HSV	322°, 100%, 99%
XYZ	46.4900, 23.2335, 35.2919
YIQ	93.5880, 98.8320, 103.1840

Conversions

Conversions Part 2

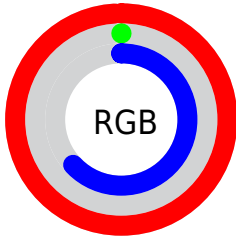
Format	Color
RYB	252, 0, 160
Decimal	16515232
CIELab	55.31, 86.57, -14.43
CIELCh	55, 87.768, 350.536
Yxy	23.2335, 0.4427, 0.2212
Android (android.graphics.Color)	4294705312 (0xFFFC00A0)
YUV	93.5880, 32.7411, 138.9273
Hunter-Lab	48.2011, 87.8113, -9.6701

Details

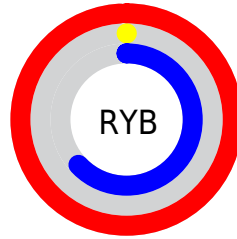
The XYZ color **46.4900, 23.2335, 35.2919** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.7455, 70.3949, 21.7900**, and the grayscale version is **10.4595, 11.0042, 11.9836**.

A 20% lighter version of the original color is **58.0629, 35.2806, 68.0396**, and **23.6930, 11.9015, 15.2358** is the 20% darker color. If you saturate the color by 10%, you get **46.4881, 23.2327, 35.2818**, and if you desaturate by 10%, it is **47.6785, 24.2741, 39.8083**.

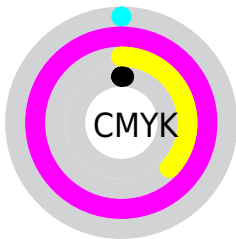
Distribution



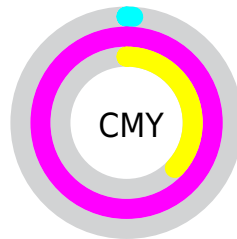
- Red (99%)
- Green (0%)
- Blue (63%)



- Red (99%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4900, 23.2335, 35.2919 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 46.4900, 23.2335, 35.2919 by changing the saturation by 10% instead.


 46.4900, 23.2335,
35.2919


 46.4900, 23.2335,
35.2919


363.4581,
268.9220, 340.7982

 32.8389, 14.7660,
23.6025


 84.1752, 48.7764,
69.0944


 22.1617, 8.6553,
14.8295


 108.9401, 66.6207,
92.0446


 14.0930, 4.5171,
8.5545


 138.1403, 88.3593,
119.5854

 8.2675, 1.9668,
4.3590

 172.1411,
114.3768, 152.1354

 4.3199, 0.5881,
1.8243

 211.3079,
145.0573, 190.1131

 1.8846, 0.0000,
0.4439

256.0062,

 0.5679, 0.0000,

180.7855, 233.9372

0.0000

306.6011,
221.9456, 284.0260

■ 0.0000, 0.0000,
0.0000

■ 46.4900, 23.2335,
35.2919

■ 46.4900, 23.2335,
35.2919

■ 46.4881, 23.2327,
35.2818

■ 47.6785, 24.2741,
39.8083

■ 49.3818, 26.2469,
44.7963

■ 51.7407, 29.4316,
50.3089

■ 54.8412, 33.9983,
56.3805

■ 58.7554, 40.0895,
63.0410

■ 63.5467, 47.8300,
70.3167

■ 69.2717, 57.3316,
78.2320

■ 75.9823, 68.6961,
86.8093

■ 83.7264, 82.0177,
96.0697

Harmonies

Analogous

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



40.1422, 23.2335, 77.7160



46.4900, 23.2335, 35.2919



44.9556, 23.2335, 10.6549

Triad

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



46.4900, 23.2335, 35.2919



16.0896, 23.2335, 0.9211



12.1097, 23.2335, 94.4043

Complementary

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



46.4900, 23.2335, 35.2919



36.7455, 70.3949, 21.7900

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.



8.6830, 23.2335, 49.4572



46.4900, 23.2335, 35.2919



10.4617, 23.2335, 4.1242

Square

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



46.4900, 23.2335, 35.2919



25.3415, 23.2335, 0.6147



8.1859, 23.2335, 17.3940



19.1161, 23.2335, 125.1917

Rectangle

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



46.4900, 23.2335, 35.2919



39.8045, 23.2335, 3.8969



8.1859, 23.2335, 17.3940



10.6005, 23.2335, 79.3676

Sweetspot

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



46.4907, 23.2348, 35.2923



71.1341, 58.8498, 80.3299



21.6186, 9.1160, 92.7155



14.6692, 11.6669, 16.4424



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.



46.4907, 23.2348, 35.2923



47.7512, 23.8645, 36.2173



40.4930, 20.8357, 3.7087



17.7084, 17.4107, 20.3200



24.2895, 12.1315, 18.7650



2.3006, 1.1440, 2.0062

Inverse Universe

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



46.4907, 23.2348, 35.2923



47.7512, 23.8645, 36.2173



46.9754, 74.4868, 75.6599



17.7084, 17.4107, 20.3200



24.2895, 12.1315, 18.7650



2.3006, 1.1440, 2.0062

Previews

White Background



This preview shows how the XYZ color 46.4900, 23.2335, 35.2919 looks on a white background.

Color Contrast Check

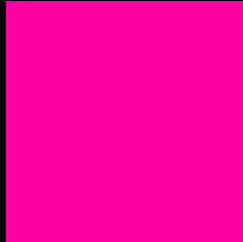
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4900, 23.2335, 35.2919 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 46.4900, 23.2335, 35.2919

Background



This preview shows how black text looks on a background with the XYZ color 46.4900, 23.2335, 35.2919.



This preview shows how white text looks on a background with the XYZ color 46.4900, 23.2335,

35.2919.

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

46.4900, 23.2335, 35.2919

Protanopia

26.5735, 24.1139, 77.3826

Deuteranopia

24.2227, 23.7106, 31.7337



Tritanopia

40.7377, 23.5295, 7.3956

Trichromacy



Original Color

46.4900, 23.2335, 35.2919



Protanomaly

26.5700, 17.0302, 59.0135



Deuteranomaly

27.8991, 18.3102, 32.2008



Tritanomaly

41.7704, 22.3941, 14.1775

Monochromacy



Original Color

46.4900, 23.2335, 35.2919



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.6484, 11.1190, 18.3556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4900, 23.2335, 35.2919 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 160) }
```

Border

The CSS property to change the border of an element to XYZ 46.4900, 23.2335, 35.2919 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, 160) }
```


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

```
.border{ border-color:rgb(252, 0, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4900, 23.2335, 35.2919 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, 160) }
```

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

```
.background{ background-color: rgb(252, 0,  
160) }
```

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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