

Converting Colors

XYZ(46.3803, 23.2523, 33.7270)

Have a look what the booklet for
XYZ(46.3803, 23.2523, 33.7270)
contains.

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Color

**XYZ(46.2632, 23.1949,
33.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	FC039D
RGB	252, 3, 157
RGB Percent	99%, 1%, 62%
CMY	0.0118, 0.9880, 0.3843
CMYK	0.00, 0.99, 0.38, 0.01
HSL	323°, 98%, 50%
HSV	323°, 99%, 99%
XYZ	46.2632, 23.1949, 33.9370
YIQ	95.0070, 98.9700, 100.6820

Conversions

Conversions Part 2

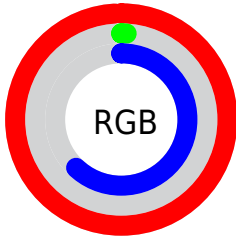
Format	Color
R_{YB}	252, 3, 157
Decimal	16515997
CIE _{Lab}	55.27, 86.10, -12.72
CIE _{LCh}	55, 87.036, 351.597
Yxy	23.1949, 0.4474, 0.2243
Android (android.graphics.Color)	4294706077 (0xFFFC039D)
YUV	95.0070, 30.5625, 137.6829
Hunter-Lab	48.1611, 87.1840, -8.0663

Details

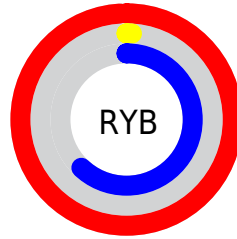
The XYZ color **46.2632, 23.1949, 33.9370** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.0562, 70.5235, 23.2300**, and the grayscale version is **10.7999, 11.3623, 12.3736**.

A 20% lighter version of the original color is **57.7773, 35.3208, 66.0598**, and **23.5878, 11.8594, 14.6816** is the 20% darker color. If you saturate the color by 10%, you get **46.1313, 23.0900, 33.4032**, and if you desaturate by 10%, it is **47.5060, 24.3143, 38.5632**.

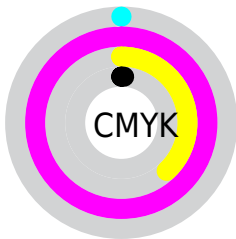
Distribution



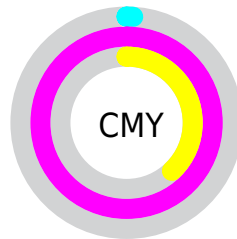
- Red (99%)
- Green (1%)
- Blue (62%)



- Red (99%)
- Yellow (1%)
- Blue (62%)



- Cyan (0%)
- Magenta (99%)
- Yellow (38%)
- Black (1%)





- Cyan (1%)
- Magenta (99%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2632, 23.1949, 33.9370 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 46.2632, 23.1949, 33.9370 by changing the saturation by 10% instead.


 46.2632, 23.1949,
33.9370

 46.2632, 23.1949,
33.9370


362.5640,
268.7245, 334.6116


 32.6591, 14.7375,
22.5682


 83.8382, 48.7132,
66.9685


 22.0234, 8.6354,
14.0727


 108.5398, 66.5428,
89.4682


 13.9908, 4.5041,
8.0319


 137.6713, 88.2653,
116.5154

 8.1959, 1.9594,
4.0273

 171.5980,
114.2650, 148.5286

 4.2734, 0.5837,
1.6403

 210.6852,
144.9264, 185.9263

 1.8580, 0.0000,
0.3194

255.2984,

 0.5522, 0.0000,

180.6339, 229.1269

0.0000

305.8029,
221.7717, 278.5492

■ 0.0000, 0.0000,
0.0000

■ 46.2632, 23.1949,
33.9370

■ 46.2632, 23.1949,
33.9370

■ 46.1313, 23.0900,
33.4032

■ 47.5060, 24.3143,
38.5632

■ 49.2988, 26.4279,
43.6985

■ 51.7636, 29.7777,
49.3907

■ 54.9846, 34.5297,
55.6743

■ 59.0330, 40.8243,
62.5796

■ 63.9712, 48.7844,
70.1336

■ 69.8555, 58.5205,
78.3612

■ 76.7374, 70.1336,
87.2855

■ 84.6645, 83.7170,
96.9283

Harmonies

Analogous

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



40.2315, 23.1949, 75.4078



46.2632, 23.1949, 33.9370



44.4607, 23.1949, 10.2050

Triad

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



46.2632, 23.1949, 33.9370



15.8434, 23.1949, 1.0054



12.3347, 23.1949, 94.9700

Complementary

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



46.2632, 23.1949, 33.9370



37.0562, 70.5235, 23.2300

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.



8.8102, 23.1949, 50.6045



46.2632, 23.1949, 33.9370



10.3809, 23.1949, 4.4359

Square

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



46.2632, 23.1949, 33.9370



24.8992, 23.1949, 0.6429



8.2194, 23.1949, 18.1970



19.4197, 23.1949, 124.2272

Rectangle

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



46.2632, 23.1949, 33.9370



39.2372, 23.1949, 3.7553



8.2194, 23.1949, 18.1970



10.7926, 23.1949, 80.2597

Sweetspot

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



46.2639, 23.1962, 33.9374



70.9609, 58.7805, 79.4178



22.2549, 9.4924, 92.7545



14.6279, 11.6504, 16.2250



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.



46.2639, 23.1962, 33.9374



47.3846, 23.7178, 34.2871



40.5004, 20.8908, 3.5872



17.6959, 17.4057, 20.2541



24.1045, 12.0575, 17.7905



2.2842, 1.1374, 1.9198

Inverse Universe

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



46.2639, 23.1962, 33.9374



47.3846, 23.7178, 34.2871



47.6096, 74.7448, 78.8034



17.6959, 17.4057, 20.2541



24.1045, 12.0575, 17.7905



2.2842, 1.1374, 1.9198

Previews

White Background



This preview shows how the XYZ color 46.2632, 23.1949, 33.9370 looks on a white background.

Color Contrast Check

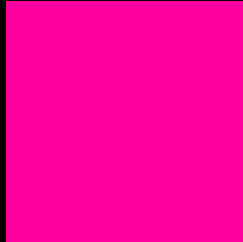
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2632, 23.1949, 33.9370 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 46.2632, 23.1949, 33.9370

Background



This preview shows how black text looks on a background with the XYZ color 46.2632, 23.1949, 33.9370.



This preview shows how white text looks on a background with the XYZ color 46.2632, 23.1949,

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

46.2632, 23.1949, 33.9370

Protanopia

26.3230, 24.0485, 74.4886

Deuteranopia

24.1554, 23.7033, 30.4962



Tritanopia

40.6541, 23.4082, 7.2260

Trichromacy



Original Color

46.2632, 23.1949, 33.9370



Protanomaly

26.3581, 17.0901, 56.5531



Deuteranomaly

27.7314, 18.3664, 30.9376



Tritanomaly

41.7089, 22.4242, 13.6853

Monochromacy



Original Color

46.2632, 23.1949, 33.9370



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

17.9415, 11.4287, 18.3999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2632, 23.1949, 33.9370 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, 3, 157)` looks like.

```
.text, #text, p{  
    color:rgb(252, 3, 157)  
}
```

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, 3, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 3, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.2632, 23.1949, 33.9370 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, 3, 157) }
```


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

```
.border{ border-color:rgb(252, 3, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 3, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 3, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 3, 157);  
box-shadow:4px 4px 4px 4px rgb(252, 3,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2632, 23.1949, 33.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 3, 157) }
```

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

```
.background{ background-color: rgb(252, 3,  
157) }
```

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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