

Converting Colors

XYZ(47.0082, 23.6121, 32.1670)

Have a look what the booklet for
XYZ(47.0082, 23.6121, 32.1670)
contains.

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Color

**XYZ(47.0223, 23.6250,
32.2187)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0399
RGB	255, 3, 153
RGB Percent	100%, 1%, 60%
CMY	0.0000, 0.9880, 0.4000
CMYK	0.00, 0.99, 0.40, 0.00
HSL	324°, 100%, 51%
HSV	324°, 99%, 100%
XYZ	47.0223, 23.6250, 32.2187
YIQ	95.4480, 102.0420, 100.0740

Conversions

Conversions Part 2

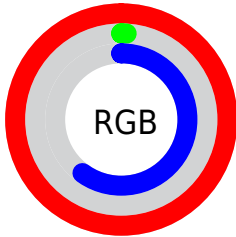
Format	Color
RYB	255, 3, 153
Decimal	16712601
CIELab	55.71, 86.35, -9.64
CIElCh	56, 86.890, 353.633
Yxy	23.6250, 0.4571, 0.2297
Android (android.graphics.Color)	4294902681 (0xFFFF0399)
YUV	95.4480, 28.3731, 139.9271
Hunter-Lab	48.6056, 87.6259, -5.2771

Details

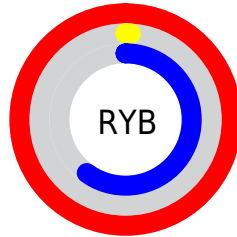
The XYZ color **47.0223, 23.6250, 32.2187** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.3513, 72.5609, 25.3656**, and the grayscale version is **10.9098, 11.4780, 12.4995**.

A 20% lighter version of the original color is **57.1562, 35.0724, 62.7887**, and **24.1365, 12.1658, 13.6465** is the 20% darker color. If you saturate the color by 10%, you get **46.8878, 23.5191, 31.6714**, and if you desaturate by 10%, it is **48.3086, 24.7734, 37.0384**.

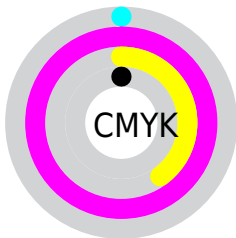
Distribution



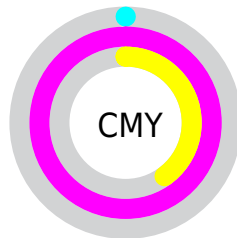
- Red (100%)
- Green (1%)
- Blue (60%)



- Red (100%)
- Yellow (1%)
- Blue (60%)



- Cyan (0%)
- Magenta (99%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (99%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0223, 23.6250, 32.2187 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 47.0223, 23.6250, 32.2187 by changing the saturation by 10% instead.

 47.0223, 23.6250,
32.2187

 47.0223, 23.6250,
32.2187

365.5510,
270.9191, 326.6377


 33.2613, 15.0557,
21.2624


 84.9654, 49.4176,
64.2557


 22.4869, 8.8585,
13.1228


 109.8783, 67.4096,
86.1734


 14.3337, 4.6490,
7.3815

 139.2392, 89.3113,
112.5821

 8.4364, 2.0428,
3.6197

 173.4134,
115.5071, 143.9002

 4.4296, 0.6322,
1.4191

 212.7663,
146.3814, 180.5462

 1.9479, 0.0000,
0.1566

257.6633,

 0.6044, 0.0000,

182.3186, 222.9388

0.0000

308.4698,
223.7030, 271.4964

■ 0.0000, 0.0000,
0.0000

■ 47.0223, 23.6250,
32.2187

■ 47.0223, 23.6250,
32.2187

■ 46.8878, 23.5191,
31.6714

■ 48.3086, 24.7734,
37.0384

■ 50.1677, 26.9464,
42.4218

■ 52.7255, 30.3929,
48.4195

■ 56.0687, 35.2841,
55.0688

■ 60.2712, 41.7646,
62.4021

65.3974, 49.9612,
70.4488

71.5055, 59.9876,
79.2359

78.6489, 71.9481,
88.7884

86.8766, 85.9388,
99.1299

Harmonies

Analogous

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



41.4155, 23.6250, 73.1435



47.0223, 23.6250, 32.2187



44.6548, 23.6250, 9.5324

Triad

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



47.0223, 23.6250, 32.2187



15.6868, 23.6250, 1.1622



12.9939, 23.6250, 98.7694

Complementary

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



47.0223, 23.6250, 32.2187



38.3513, 72.5609, 25.3656

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.



9.1906, 23.6250, 54.1649



47.0223, 23.6250, 32.2187



10.3975, 23.6250, 5.1048

Square

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



47.0223, 23.6250, 32.2187



24.6210, 23.6250, 0.6781



8.4031, 23.6250, 20.1659



20.4197, 23.6250, 126.0320

Rectangle

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



47.0223, 23.6250, 32.2187



39.1385, 23.6250, 3.5148



8.4031, 23.6250, 20.1659



11.3484, 23.6250, 84.2283

Sweetspot

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



47.0230, 23.6264, 32.2191



70.7184, 58.6835, 78.1408



23.7733, 10.2198, 95.3272



14.5701, 11.6273, 15.9209



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.



47.0230, 23.6264, 32.2191



46.8879, 23.5192, 31.6715



41.4859, 21.4115, 3.0610



18.4632, 18.1686, 21.0561



24.5758, 12.3196, 16.9487



2.4470, 1.2212, 1.9354

Inverse Universe

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



47.0230, 23.6264, 32.2191



46.8879, 23.5192, 31.6715



50.0540, 77.2419, 86.9913



18.4632, 18.1686, 21.0561



24.5758, 12.3196, 16.9487



2.4470, 1.2212, 1.9354

Previews

White Background



This preview shows how the XYZ color 47.0223, 23.6250, 32.2187 looks on a white background.

Color Contrast Check

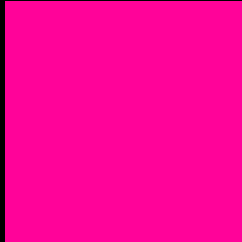
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0223, 23.6250, 32.2187 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 47.0223, 23.6250, 32.2187

Background



This preview shows how black text looks on a background with the XYZ color 47.0223, 23.6250, 32.2187.



This preview shows how white text looks on a background with the XYZ color 47.0223, 23.6250,

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

47.0223, 23.6250, 32.2187

Protanopia

26.2930, 24.3263, 70.3275

Deuteranopia

24.5004, 24.1149, 28.9545



Tritanopia

41.9626, 24.0093, 6.9800

Trichromacy



Original Color

47.0223, 23.6250, 32.2187



Protanomaly

26.8091, 17.5050, 53.5956



Deuteranomaly

28.1258, 18.6063, 29.3031



Tritanomaly

42.9692, 23.0393, 13.0088

Monochromacy



Original Color

47.0223, 23.6250, 32.2187



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0119, 11.4785, 17.7892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0223, 23.6250, 32.2187 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(255, 3, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 153)  
}
```

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(255, 3, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.0223, 23.6250, 32.2187 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(255, 3, 153) }
```


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

```
.border{ border-color:rgb(255, 3, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 3, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 3,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0223, 23.6250, 32.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 153) }
```

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

```
.background{ background-color: rgb(255, 3,  
153) }
```

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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