

# Converting Colors

XYZ(47.1890, 23.6917, 33.0962)

Have a look what the booklet for  
XYZ(47.1890, 23.6917, 33.0962)  
contains.

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# Color

**XYZ(47.1890, 23.6917,  
33.0962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF039B
RGB	255, 3, 155
RGB Percent	100%, 1%, 61%
CMY	0.0000, 0.9880, 0.3922
CMYK	0.00, 0.99, 0.39, 0.00
HSL	324°, 100%, 51%
HSV	324°, 99%, 100%
XYZ	47.1890, 23.6917, 33.0962
YIQ	95.6760, 101.4000, 100.6960

# Conversions

## Conversions Part 2

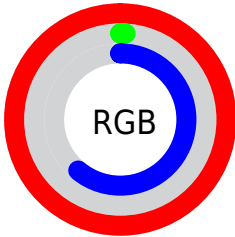
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 3, 155
Decimal	16712603
CIE <sub>Lab</sub>	55.78, 86.53, -10.72
CIE <sub>LCh</sub>	56, 87.191, 352.939
Yxy	23.6917, 0.4538, 0.2279
Android (android.graphics.Color)	4294902683 (0xFFFF039B)
YUV	95.6760, 29.2467, 139.7271
Hunter-Lab	48.6741, 87.8740, -6.2426

# Details

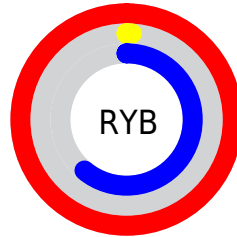
The XYZ color **47.1890, 23.6917, 33.0962** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.2496, 72.5203, 24.8302**, and the grayscale version is **10.9628, 11.5337, 12.5602**.

A 20% lighter version of the original color is **57.4023, 35.1708, 64.0848**, and **24.2369, 12.2059, 14.1753** is the 20% darker color. If you saturate the color by 10%, you get **47.0548, 23.5859, 32.5504**, and if you desaturate by 10%, it is **48.4714, 24.8385, 37.8951**.

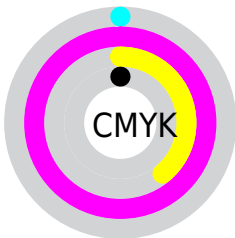
# Distribution



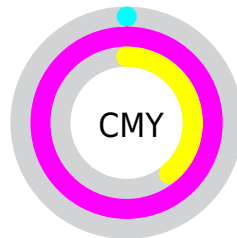
- Red (100%)
- Green (1%)
- Blue (61%)



- Red (100%)
- Yellow (1%)
- Blue (61%)



- Cyan (0%)
- Magenta (99%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (99%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1890, 23.6917, 33.0962 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 47.1890, 23.6917, 33.0962 by changing the saturation by 10% instead.




 47.1890, 23.6917,  
33.0962


 47.1890, 23.6917,  
33.0962


366.2048,  
271.2581, 330.7283

 33.3937, 15.1051,  
21.9284


 85.2127, 49.5266,  
65.6434


 22.5889, 8.8932,  
13.6065


 110.1718, 67.5437,  
87.8600


 14.4092, 4.6716,  
7.7119


 139.5828, 89.4731,  
114.5965

 8.4894, 2.0559,  
3.8260

 173.8111,  
115.6992, 146.2716

 4.4641, 0.6396,  
1.5304

 213.2222,  
146.6063, 183.3038

 1.9679, 0.0000,  
0.2404

258.1812,

 0.6158, 0.0000,

182.5789, 226.1116

0.0000

309.0536,  
224.0014, 275.1136

■ 0.0000, 0.0000,  
0.0000

■ 47.1890, 23.6917,  
33.0962

■ 47.1890, 23.6917,  
33.0962

■ 47.0548, 23.5859,  
32.5504

■ 48.4714, 24.8385,  
37.8951

■ 50.3239, 27.0089,  
43.2438

■ 52.8723, 30.4517,  
49.1923

■ 56.2034, 35.3381,  
55.7773

■ 60.3907, 41.8126,  
63.0309

65.4987, 50.0019,  
70.9818

71.5856, 60.0199,  
79.6564

78.7044, 71.9706,  
89.0796

86.9043, 85.9501,  
99.2742

# Harmonies

## Analogous

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



41.3833, 23.6917, 74.5837



47.1890, 23.6917, 33.0962



44.9950, 23.6917, 9.8468

# Triad

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



47.1890, 23.6917, 33.0962



15.8833, 23.6917, 1.1171



12.8829, 23.6917, 98.3527

# Complementary

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



47.1890, 23.6917, 33.0962



38.2496, 72.5203, 24.8302

# 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.



9.1422, 23.6917, 53.4162



47.1890, 23.6917, 33.0962



10.4864, 23.6917, 4.9141

# Square

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



47.1890, 23.6917, 33.0962



24.9407, 23.6917, 0.6739



8.4160, 23.6917, 19.6573



20.2580, 23.6917, 126.5591



# Rectangle

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



47.1890, 23.6917, 33.0962



39.5291, 23.6917, 3.6282



8.4160, 23.6917, 19.6573



11.2585, 23.6917, 83.6175

# Sweetspot

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



47.1897, 23.6931, 33.0966



70.8010, 58.7165, 78.5755



23.2989, 9.9753, 95.3052



14.5898, 11.6351, 16.0244



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.



47.1897, 23.6931, 33.0966



47.0548, 23.5859, 32.5504



41.5402, 21.4333, 3.3468



18.4695, 18.1711, 21.0893



24.6628, 12.3544, 17.4068



2.4552, 1.2245, 1.9786



# Inverse Universe

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



47.1897, 23.6931, 33.0966



47.0548, 23.5859, 32.5504



49.4720, 77.0092, 83.9261



18.4695, 18.1711, 21.0893



24.6628, 12.3544, 17.4068



2.4552, 1.2245, 1.9786



# Previews

## White Background



This preview shows how the XYZ color 47.1890, 23.6917, 33.0962 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 47.1890, 23.6917, 33.0962 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 47.1890, 23.6917, 33.0962**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1890, 23.6917, 33.0962.



This preview shows how white text looks on a background with the XYZ color 47.1890, 23.6917,



# 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

47.1890, 23.6917, 33.0962

### Protanopia

26.4731, 24.3731, 72.4164

### Deuteranopia

24.6519, 24.1755, 29.7526



## Tritanopia

41.9903, 24.0204, 7.1259

# Trichromacy



## Original Color

47.1890, 23.6917, 33.0962



## Protanomaly

26.9591, 17.5428, 55.3913



## Deuteranomaly

28.2828, 18.6691, 30.1298



## Tritanomaly

43.0150, 23.0576, 13.2497

# Monochromacy



## Original Color

47.1890, 23.6917, 33.0962



## Achromatopsia

11.1181, 11.6971, 12.7381



## Achromatomaly

18.2599, 11.5996, 18.1062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1890, 23.6917, 33.0962 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1890, 23.6917, 33.0962 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, 155) }
```



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

```
.border{ border-color:rgb(255, 3, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 3,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1890, 23.6917, 33.0962 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, 155) }
```

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

```
.background{ background-color: rgb(255, 3,  
155) }
```

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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