

Converting Colors

XYZ(47.0484, 23.6903, 32.1869)

Have a look what the booklet for
XYZ(47.0484, 23.6903, 32.1869)
contains.

XYZ(47.0549, 23.6902, 32.2296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.0549, 23.6902,
32.2296)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0699
RGB	255, 6, 153
RGB Percent	100%, 2%, 60%
CMY	0.0000, 0.9762, 0.4000
CMYK	0.00, 0.98, 0.40, 0.00
HSL	325°, 100%, 51%
HSV	325°, 98%, 100%
XYZ	47.0549, 23.6902, 32.2296
YIQ	97.2090, 101.2170, 98.5050

Conversions

Conversions Part 2

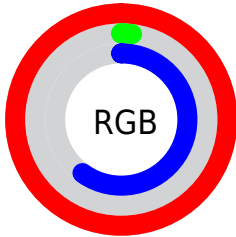
Format	Color
R_{YB}	255, 6, 153
Decimal	16713369
CIE _{Lab}	55.78, 86.16, -9.54
CIE _{LCh}	56, 86.687, 353.684
Yxy	23.6902, 0.4570, 0.2301
Android (android.graphics.Color)	4294903449 (0xFFFF0699)
YUV	97.2090, 27.5050, 138.3827
Hunter-Lab	48.6726, 87.3904, -5.1893

Details

The XYZ color **47.0549, 23.6902, 32.2296** 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 **38.5461, 72.6431, 26.1955**, and the grayscale version is **11.3397, 11.9303, 12.9921**.

A 20% lighter version of the original color is **57.2539, 35.2677, 62.8212**, and **24.1365, 12.1658, 13.6465** is the 20% darker color. If you saturate the color by 10%, you get **46.7865, 23.4786, 31.1379**, and if you desaturate by 10%, it is **48.3960, 24.9302, 37.1228**.

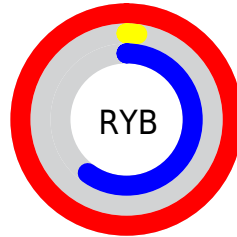
Distribution



Red (100%)

Green (2%)

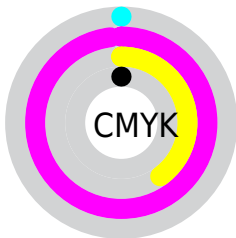
Blue (60%)



Red (100%)

Yellow (2%)

Blue (60%)

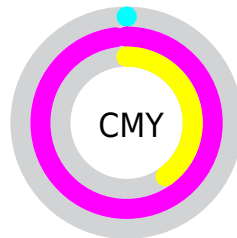


Cyan (0%)

Magenta (98%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0549, 23.6902, 32.2296 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 47.0549, 23.6902, 32.2296 by changing the saturation by 10% instead.

 47.0549, 23.6902,
32.2296


 47.0549, 23.6902,
32.2296


365.6789,
271.2505, 326.6887

 33.2872, 15.1040,
21.2707


 85.0138, 49.5242,
64.2729


 22.5068, 8.8924,
13.1288


 109.9357, 67.5407,
86.1944


 14.3485, 4.6711,
7.3855


 139.3064, 89.4695,
112.6072

 8.4467, 2.0556,
3.6223

 173.4912,
115.6949, 143.9297

 4.4363, 0.6395,
1.4205

 212.8555,
146.6013, 180.5806

 1.9518, 0.0000,
0.1576

257.7646,

 0.6067, 0.0000,

182.5731, 222.9784

0.0000

308.5840,
223.9947, 271.5416

■ 0.0000, 0.0000,
0.0000

■ 47.0549, 23.6902,
32.2296

■ 47.0549, 23.6902,
32.2296

■ 46.7865, 23.4786,
31.1379

■ 48.3960, 24.9302,
37.1228

■ 50.3363, 27.2447,
42.5977

■ 52.9881, 30.8554,
48.7006

■ 56.4365, 35.9298,
55.4685

■ 60.7539, 42.6099,
62.9338

66.0042, 51.0208,
71.1259

72.2448, 61.2751,
80.0717

79.5287, 73.4760,
89.7964

87.9047, 87.7187,
100.3238

Harmonies

Analogous

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



41.4701, 23.6902, 73.0582



47.0549, 23.6902, 32.2296



44.6782, 23.6902, 9.5726

Triad

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



47.0549, 23.6902, 32.2296



15.7375, 23.6902, 1.1886



13.0645, 23.6902, 98.7633

Complementary

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



47.0549, 23.6902, 32.2296



38.5461, 72.6431, 26.1955

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.



9.2508, 23.6902, 54.2702



47.0549, 23.6902, 32.2296



10.4500, 23.6902, 5.1678

Square

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



47.0549, 23.6902, 32.2296



24.6640, 23.6902, 0.6995



8.4572, 23.6902, 20.2788



20.4980, 23.6902, 125.8896

Rectangle

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



47.0549, 23.6902, 32.2296



39.1652, 23.6902, 3.5477



8.4572, 23.6902, 20.2788



11.4154, 23.6902, 84.2688

Sweetspot

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



47.0556, 23.6916, 32.2300



71.3237, 59.7479, 78.7927



24.0169, 10.3938, 95.3480



14.6827, 11.8267, 16.0377



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.



47.0556, 23.6916, 32.2300



46.7866, 23.4786, 31.1380



41.5526, 21.4904, 3.2515



18.4593, 18.1670, 21.0357



24.5230, 12.2985, 16.6706



2.4420, 1.2192, 1.9091

Inverse Universe

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



47.0556, 23.6916, 32.2300



46.7866, 23.4786, 31.1380



50.1338, 77.2782, 87.2152



18.4593, 18.1670, 21.0357



24.5230, 12.2985, 16.6706



2.4420, 1.2192, 1.9091

Previews

White Background



This preview shows how the XYZ color 47.0549, 23.6902, 32.2296 looks on a white background.

Color Contrast Check

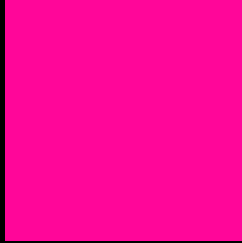
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0549, 23.6902, 32.2296 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 47.0549, 23.6902, 32.2296

Background



This preview shows how black text looks on a background with the XYZ color 47.0549, 23.6902, 32.2296.



This preview shows how white text looks on a background with the XYZ color 47.0549, 23.6902,

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

47.0549, 23.6902, 32.2296

Protanopia

26.2930, 24.3263, 70.3275

Deuteranopia

24.5004, 24.1149, 28.9545



Tritanopia

41.9626, 24.0093, 6.9800

Trichromacy



Original Color

47.0549, 23.6902, 32.2296



Protanomaly

26.8884, 17.6636, 53.6220



Deuteranomaly

28.2833, 18.9212, 29.3556



Tritanomaly

43.0034, 23.1075, 13.0201

Monochromacy



Original Color

47.0549, 23.6902, 32.2296



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.3707, 11.8212, 18.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0549, 23.6902, 32.2296 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, 6, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 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, 6, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.0549, 23.6902, 32.2296 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, 6, 153) }
```


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

```
.border{ border-color:rgb(255, 6, 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, 6, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 6, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 6,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0549, 23.6902, 32.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 153) }
```

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

```
.background{ background-color: rgb(255, 6,  
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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