

Converting Colors

XYZ(47.1736, 23.8586, 32.4816)

Have a look what the booklet for
XYZ(47.1736, 23.8586, 32.4816)
contains.

XYZ(47.2167, 23.8809, 32.6927)	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(47.2167, 23.8809,
32.6927)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0D9A
RGB	255, 13, 154
RGB Percent	100%, 5%, 60%
CMY	0.0000, 0.9488, 0.3961
CMYK	0.00, 0.95, 0.40, 0.00
HSL	325°, 100%, 53%
HSV	325°, 95%, 100%
XYZ	47.2167, 23.8809, 32.6927
YIQ	101.4320, 98.9710, 95.1550

Conversions

Conversions Part 2

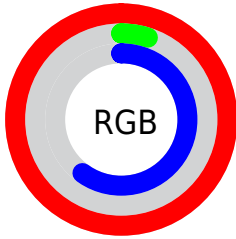
Format	Color
R _{YB}	255, 13, 154
Decimal	16715162
CIE _{Lab}	55.97, 85.79, -9.84
CIE _{LCh}	56, 86.349, 353.456
Y _{xy}	23.8809, 0.4549, 0.2301
Android (android.graphics.Color)	4294905242 (0xFFFF0D9A)
Y _{UV}	101.4320, 25.9160, 134.6791
Hunter-Lab	48.8681, 86.9488, -5.4573

Details

The XYZ color **47.2167, 23.8809, 32.6927** 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 **38.9668, 72.8220, 27.9369**, and the grayscale version is **12.4056, 13.0516, 14.2132**.

A 20% lighter version of the original color is **57.4754, 35.5146, 63.5002**, and **24.1864, 12.1857, 13.9093** is the 20% darker color. If you saturate the color by 10%, you get **46.6291, 23.4157, 30.3088**, and if you desaturate by 10%, it is **48.7101, 25.3854, 37.7607**.

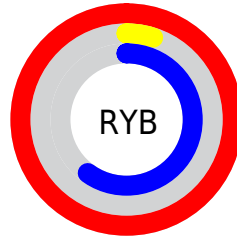
Distribution



Red (100%)

Green (5%)

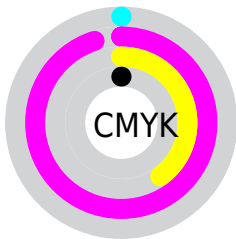
Blue (60%)



Red (100%)

Yellow (5%)

Blue (60%)

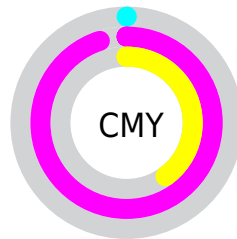


Cyan (0%)

Magenta (95%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2167, 23.8809, 32.6927 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 47.2167, 23.8809, 32.6927 by changing the saturation by 10% instead.


 47.2167, 23.8809,
32.6927


 47.2167, 23.8809,
32.6927


366.3133,
272.2178, 328.8522


 33.4157, 15.2453,
21.6220

 85.2538, 49.8358,
65.0059


 22.6058, 8.9917,
13.3837


 110.2205, 67.9238,
87.0855


 14.4218, 4.7358,
7.5595


 139.6399, 89.9315,
113.6717

 8.4983, 2.0931,
3.7307

 173.8772,
116.2432, 145.1832

 4.4699, 0.6607,
1.4788

 213.2979,
147.2433, 182.0385

 1.9712, 0.0000,
0.2021

258.2672,

 0.6177, 0.0000,

183.3161, 224.6560

0.0000

309.1506,
224.8462, 273.4544

■ 0.0000, 0.0000,
0.0000

■ 47.2167, 23.8809,
32.6927

■ 47.2167, 23.8809,
32.6927

■ 46.6291, 23.4157,
30.3088

■ 48.7101, 25.3854,
37.7607

■ 50.8426, 28.0390,
43.4392

■ 53.7143, 32.0391,
49.7710

■ 57.4064, 37.5449,
56.7922

■ 61.9886, 44.6934,
64.5347

67.5231, 53.6059,
73.0278

74.0661, 64.3922,
82.2984

81.6693, 77.1531,
92.3716

90.3807, 91.9822,
103.2714

Harmonies

Analogous

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



41.5854, 23.8809, 73.5690



47.2167, 23.8809, 32.6927



44.9045, 23.8809, 9.8274

Triad

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



47.2167, 23.8809, 32.6927



15.9585, 23.8809, 1.2295



13.1791, 23.8809, 98.5404

Complementary

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



47.2167, 23.8809, 32.6927



38.9668, 72.8220, 27.9369

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.



9.3721, 23.8809, 54.1473



47.2167, 23.8809, 32.6927



10.6217, 23.8809, 5.2227

Square

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



47.2167, 23.8809, 32.6927



24.9276, 23.8809, 0.7489



8.5946, 23.8809, 20.2931



20.6056, 23.8809, 125.8106

Rectangle

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



47.2167, 23.8809, 32.6927



39.4247, 23.8809, 3.6851



8.5946, 23.8809, 20.2931



11.5318, 23.8809, 84.0601

Sweetspot

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



47.2173, 23.8822, 32.6931



71.9147, 60.8219, 79.3230



25.1162, 11.0774, 95.4221



14.7912, 12.0273, 16.1242



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.



47.2173, 23.8822, 32.6931



46.6291, 23.4157, 30.3088



41.6621, 21.6601, 3.4395



18.4532, 18.1646, 21.0036



24.4409, 12.2657, 16.2382



2.4342, 1.2161, 1.8681

Inverse Universe

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



47.2173, 23.8822, 32.6931



46.6291, 23.4157, 30.3088



50.8987, 77.5947, 90.7689



18.4532, 18.1646, 21.0036



24.4409, 12.2657, 16.2382



2.4342, 1.2161, 1.8681

Previews

White Background



This preview shows how the XYZ color 47.2167, 23.8809, 32.6927 looks on a white background.

Color Contrast Check

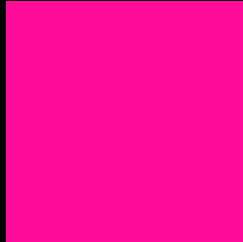
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2167, 23.8809, 32.6927 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 47.2167, 23.8809, 32.6927

Background



This preview shows how black text looks on a background with the XYZ color 47.2167, 23.8809, 32.6927.



This preview shows how white text looks on a background with the XYZ color 47.2167, 23.8809,

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

47.2167, 23.8809, 32.6927

Protanopia

26.4251, 24.3792, 71.0230

Deuteranopia

24.5758, 24.1451, 29.3518



Tritanopia

42.0724, 24.1394, 7.2924

Trichromacy



Original Color

47.2167, 23.8809, 32.6927



Protanomaly

27.2465, 18.1982, 54.3011



Deuteranomaly

28.5233, 19.2764, 29.8211



Tritanomaly

43.2032, 23.3599, 13.5411

Monochromacy



Original Color

47.2167, 23.8809, 32.6927



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

19.4229, 12.7804, 19.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2167, 23.8809, 32.6927 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, 13, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 154)  
}
```

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, 13, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 154) }
```

Border

The CSS property to change the border of an element to XYZ 47.2167, 23.8809, 32.6927 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, 13, 154) }
```


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

```
.border{ border-color:rgb(255, 13, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2167, 23.8809, 32.6927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 154) }
```

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

```
.background{ background-color: rgb(255, 13,  
154) }
```

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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