

Converting Colors

XYZ(47.1118, 24.0976, 31.3433)

Have a look what the booklet for
XYZ(47.1118, 24.0976, 31.3433)
contains.

XYZ(47.1323, 24.1072, 31.4472)	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(47.1323, 24.1072,
31.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1797
RGB	255, 23, 151
RGB Percent	100%, 9%, 59%
CMY	0.0000, 0.9097, 0.4078
CMYK	0.00, 0.91, 0.41, 0.00
HSL	327°, 100%, 55%
HSV	327°, 91%, 100%
XYZ	47.1323, 24.1072, 31.4472
YIQ	106.9600, 97.1840, 88.9920

Conversions

Conversions Part 2

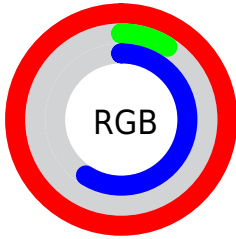
Format	Color
R_{YB}	255, 23, 151
Decimal	16717719
CIE _{Lab}	56.19, 84.57, -7.73
CIE _{LCh}	56, 84.925, 354.779
Yxy	24.1072, 0.4590, 0.2348
Android (android.graphics.Color)	4294907799 (0xFFFF1797)
YUV	106.9600, 21.7117, 129.8311
Hunter-Lab	49.0991, 85.4264, -3.6050

Details

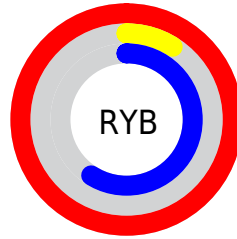
The XYZ color **47.1323, 24.1072, 31.4472** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.9472, 73.2357, 32.1215**, and the grayscale version is **13.8924, 14.6159, 15.9167**.

A 20% lighter version of the original color is **57.4135, 35.9758, 61.6756**, and **24.0385, 12.1266, 13.1303** is the 20% darker color. If you saturate the color by 10%, you get **46.0232, 23.1733, 27.1187**, and if you desaturate by 10%, it is **48.8791, 26.0421, 36.8351**.

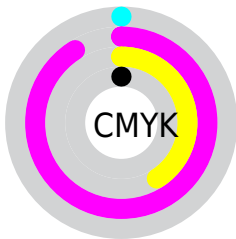
Distribution



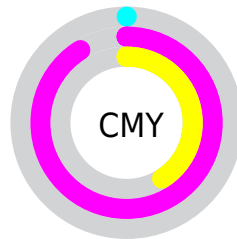
- Red (100%)
- Green (9%)
- Blue (59%)



- Red (100%)
- Yellow (9%)
- Blue (59%)



- Cyan (0%)
- Magenta (91%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1323, 24.1072, 31.4472 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 47.1323, 24.1072, 31.4472 by changing the saturation by 10% instead.


 47.1323, 24.1072,
31.4472


 47.1323, 24.1072,
31.4472


365.9825,
273.3620, 323.0081


 33.3486, 15.4132,
20.6783


 85.1286, 50.2051,
63.0313


 22.5542, 9.1099,
12.7001


 110.0720, 68.3777,
84.6835


 14.3835, 4.8129,
7.0941


 139.4660, 90.4787,
110.8006

 8.4714, 2.1379,
3.4417

 173.6759,
116.8923, 141.8011

 4.4524, 0.6858,
1.3243

 213.0672,
148.0031, 178.1036

 1.9611, 0.0000,
0.0816

258.0051,

 0.6120, 0.0000,

184.1954, 220.1266

0.0000

308.8551,
225.8535, 268.2885

■ 0.0000, 0.0000,
0.0000

■ 47.1323, 24.1072,
31.4472

■ 47.1323, 24.1072,
31.4472

■ 46.0232, 23.1733,
27.1187

■ 48.8791, 26.0421,
36.8351

■ 51.3181, 29.2132,
42.9099

■ 54.5413, 33.8011,
49.7141

■ 58.6255, 39.9554,
57.2844

■ 63.6375, 47.8065,
65.6541

69.6374, 57.4710,
74.8534

76.6799, 69.0551,
84.9109

84.8156, 82.6568,
95.8533

94.0917, 98.3673,
107.7058

Harmonies

Analogous

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



41.9094, 24.1072, 71.0257



47.1323, 24.1072, 31.4472



44.5146, 24.1072, 9.5561

Triad

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



47.1323, 24.1072, 31.4472



15.9156, 24.1072, 1.4465



13.7075, 24.1072, 99.1484

Complementary

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



47.1323, 24.1072, 31.4472



39.9472, 73.2357, 32.1215

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.



9.7525, 24.1072, 55.8195



47.1323, 24.1072, 31.4472



10.7506, 24.1072, 5.8563

Square

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



47.1323, 24.1072, 31.4472



24.6629, 24.1072, 0.8610



8.8487, 24.1072, 21.6571



21.2482, 24.1072, 124.3378

Rectangle

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



47.1323, 24.1072, 31.4472



38.9754, 24.1072, 3.6785



8.8487, 24.1072, 21.6571



12.0101, 24.1072, 85.1924

Sweetspot

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



47.1330, 24.1086, 31.4476



72.3029, 61.8300, 78.7381



26.6050, 12.0862, 95.5382



14.9825, 12.4270, 16.1356



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.



47.1330, 24.1086, 31.4476



46.0234, 23.1733, 27.1188



41.9050, 22.0174, 3.9175



18.4288, 18.1548, 20.8751



24.1246, 12.1391, 14.5724



2.4040, 1.2040, 1.7089

Inverse Universe

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



47.1330, 24.1086, 31.4476



46.0234, 23.1733, 27.1188



51.7734, 77.9661, 94.3970



18.4288, 18.1548, 20.8751



24.1246, 12.1391, 14.5724



2.4040, 1.2040, 1.7089

Previews

White Background



This preview shows how the XYZ color 47.1323, 24.1072, 31.4472 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 47.1323, 24.1072, 31.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

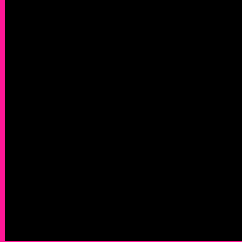
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1323, 24.1072, 31.4472

Background



This preview shows how black text looks on a background with the XYZ color 47.1323, 24.1072, 31.4472.



This preview shows how white text looks on a background with the XYZ color 47.1323, 24.1072,

31.4472.

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

47.1323, 24.1072, 31.4472

Protanopia

26.3508, 24.6334, 66.9842

Deuteranopia

24.7040, 24.2370, 28.1871



Tritanopia

42.1273, 24.2492, 7.3107

Trichromacy



Original Color

47.1323, 24.1072, 31.4472



Protanomaly

27.8155, 19.0639, 51.5039



Deuteranomaly

29.1109, 20.1070, 28.7323



Tritanomaly

43.3132, 23.6539, 13.3491

Monochromacy



Original Color

47.1323, 24.1072, 31.4472



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

20.8575, 14.1760, 20.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1323, 24.1072, 31.4472 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, 23, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 151)  
}
```

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, 23, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 151) }
```

Border

The CSS property to change the border of an element to XYZ 47.1323, 24.1072, 31.4472 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, 23, 151) }
```


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

```
.border{ border-color:rgb(255, 23, 151) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1323, 24.1072, 31.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 151) }
```

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

```
.background{ background-color: rgb(255, 23,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor