

Converting Colors

XYZ(46.0135, 23.1694, 27.0671)

Have a look what the booklet for
XYZ(46.0135, 23.1694, 27.0671)
contains.

XYZ(46.0477, 23.1831, 27.2471)	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(46.0477, 23.1831,
27.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	FF008D
RGB	255, 0, 141
RGB Percent	100%, 0%, 55%
CMY	0.0000, 0.9997, 0.4471
CMYK	0.00, 1.00, 0.45, 0.00
HSL	327°, 100%, 50%
HSV	327°, 100%, 100%
XYZ	46.0477, 23.1831, 27.2471
YIQ	92.3190, 106.7190, 97.9110

Conversions

Conversions Part 2

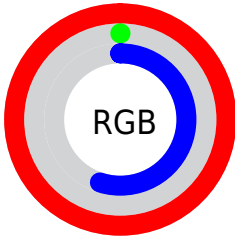
Format	Color
RYB	255, 0, 141
Decimal	16711821
CIELab	55.26, 85.54, -3.17
CIElCh	55, 85.601, 357.878
Yxy	23.1831, 0.4773, 0.2403
Android (android.graphics.Color)	4294901901 (0xFFFF008D)
YUV	92.3190, 23.9997, 142.6712
Hunter-Lab	48.1488, 86.4501, 0.1524

Details

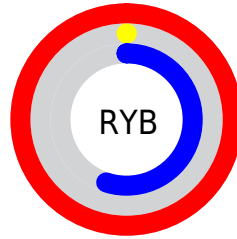
The XYZ color **46.0477, 23.1831, 27.2471** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark saturated rose. A complement of this color would be **38.8017, 72.7366, 27.9336**, and the grayscale version is **10.1838, 10.7141, 11.6677**.

A 20% lighter version of the original color is **55.5348, 34.2694, 54.7266**, and **23.6266, 11.9618, 10.9611** is the 20% darker color. If you saturate the color by 10%, you get **46.0454, 23.1822, 27.2357**, and if you desaturate by 10%, it is **47.3003, 24.2599, 32.0688**.

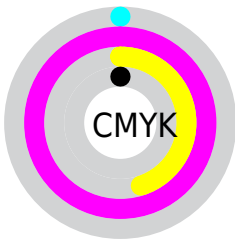
Distribution



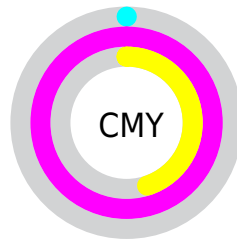
- Red (100%)
- Green (0%)
- Blue (55%)



- Red (100%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0477, 23.1831, 27.2471 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 46.0477, 23.1831, 27.2471 by changing the saturation by 10% instead.


 46.0477, 23.1831,
27.2471


 46.0477, 23.1831,
27.2471


361.7131,
268.6640, 302.6495


 32.4882, 14.7288,
17.5248


 83.5178, 48.6938,
56.2887


 21.8921, 8.6292,
10.4435


 108.1592, 66.5190,
76.4451

 13.8938, 4.5002,
5.5845


 137.2252, 88.2365,
100.9165

 8.1280, 1.9571,
2.5295

 171.0813,
114.2309, 130.1217

 4.2295, 0.5824,
0.8557

 210.0928,
144.8864, 164.4790

 1.8328, 0.0000,
0.0000

254.6250,

 0.5373, 0.0000,

180.5875, 204.4070

0.0000

305.0433,
221.7186, 250.3244

■ 0.0000, 0.0000,
0.0000

■ 46.0477, 23.1831,
27.2471

■ 46.0477, 23.1831,
27.2471

■ 46.0454, 23.1822,
27.2357

■ 47.3003, 24.2599,
32.0688

■ 49.1099, 26.3067,
37.5195

■ 51.6219, 29.6105,
43.6597

■ 54.9258, 34.3468,
50.5308

■ 59.0973, 40.6631,
58.1690

■ 64.2023, 48.6880,
66.6069

■ 70.3003, 58.5372,
75.8748

■ 77.4456, 70.3157,
86.0008

■ 85.6883, 84.1210,
97.0114

Harmonies

Analogous

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



41.6094, 23.1831, 64.9732



46.0477, 23.1831, 27.2471



42.6603, 23.1831, 7.7365

Triad

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



46.0477, 23.1831, 27.2471



14.4945, 23.1831, 1.4309



13.6190, 23.1831, 101.4783

Complementary

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



46.0477, 23.1831, 27.2471



38.8017, 72.7366, 27.9336

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.



9.4325, 23.1831, 58.8223



46.0477, 23.1831, 27.2471



9.8254, 23.1831, 6.2979

Square

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



46.0477, 23.1831, 27.2471



22.7241, 23.1831, 0.6806



8.2761, 23.1831, 23.3386



21.3596, 23.1831, 123.1951

Rectangle

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



46.0477, 23.1831, 27.2471



36.8446, 23.1831, 2.8484



8.2761, 23.1831, 23.3386



11.8443, 23.1831, 88.0821

Sweetspot

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



46.0483, 23.1845, 27.2475



70.2834, 58.5095, 75.8500



24.5481, 10.5710, 95.3540



14.4668, 11.5860, 15.3768



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.



46.0483, 23.1845, 27.2475



46.0456, 23.1822, 27.2358



41.3423, 21.3020, 2.4656



18.4297, 18.1552, 20.8799



24.1362, 12.1438, 14.6336



2.4051, 1.2044, 1.7148

Inverse Universe

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



46.0483, 23.1845, 27.2475



46.0456, 23.1822, 27.2358



51.1939, 77.6935, 93.1902



18.4297, 18.1552, 20.8799



24.1362, 12.1438, 14.6336



2.4051, 1.2044, 1.7148

Previews

White Background



This preview shows how the XYZ color 46.0477, 23.1831, 27.2471 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 46.0477, 23.1831, 27.2471 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 46.0477, 23.1831, 27.2471

Background



This preview shows how black text looks on a background with the XYZ color 46.0477, 23.1831, 27.2471.



This preview shows how white text looks on a background with the XYZ color 46.0477, 23.1831,

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

46.0477, 23.1831, 27.2471

Protanopia

25.2025, 23.7956, 59.7646

Deuteranopia

24.0923, 23.6081, 24.4061



Tritanopia

41.9364, 23.6330, 6.2222

Trichromacy



Original Color

46.0477, 23.1831, 27.2471



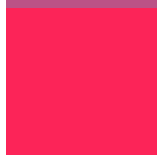
Protanomaly

26.2318, 17.1632, 45.1103



Deuteranomaly

27.8139, 18.3206, 24.6245



Tritanomaly

42.5372, 22.6618, 11.3647

Monochromacy



Original Color

46.0477, 23.1831, 27.2471



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.1409, 10.8330, 15.9394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0477, 23.1831, 27.2471 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, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 141)  
}
```

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, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 141) }
```

Border

The CSS property to change the border of an element to XYZ 46.0477, 23.1831, 27.2471 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, 0, 141) }
```


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

```
.border{ border-color:rgb(255, 0, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0477, 23.1831, 27.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 141) }
```

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

```
.background{ background-color: rgb(255, 0,  
141) }
```

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](#)