

Converting Colors

XYZ(46.4979, 23.8518, 28.1114)

Have a look what the booklet for
XYZ(46.4979, 23.8518, 28.1114)
contains.

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Color

**XYZ(46.5043, 23.8560,
28.1402)**

Conversions

Conversions Part 1

Format	Color
Hex	FF178F
RGB	255, 23, 143
RGB Percent	100%, 9%, 56%
CMY	0.0000, 0.9097, 0.4392
CMYK	0.00, 0.91, 0.44, 0.00
HSL	329°, 100%, 55%
HSV	329°, 91%, 100%
XYZ	46.5043, 23.8560, 28.1402
YIQ	106.0480, 99.7520, 86.5040

Conversions

Conversions Part 2

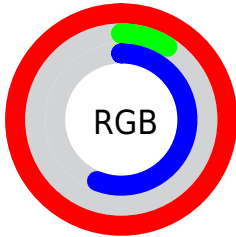
Format	Color
R_{YB}	255, 23, 143
Decimal	16717711
CIE Lab	55.94, 83.89, -3.35
CIE LCh	56, 83.959, 357.710
Yxy	23.8560, 0.4721, 0.2422
Android (android.graphics.Color)	4294907791 (0xFFFF178F)
YUV	106.0480, 18.2173, 130.6309
Hunter-Lab	48.8426, 84.4799, 0.0305

Details

The XYZ color **46.5043, 23.8560, 28.1402** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.4899, 73.4527, 34.9790**, and the grayscale version is **13.6507, 14.3616, 15.6398**.

A 20% lighter version of the original color is **56.3696, 35.3944, 56.6841**, and **23.7140, 11.9968, 11.4217** is the 20% darker color. If you saturate the color by 10%, you get **45.3963, 22.9225, 23.8176**, and if you desaturate by 10%, it is **48.2616, 25.7951, 33.5834**.

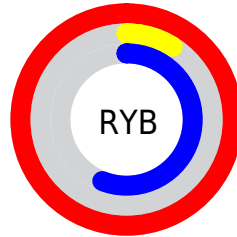
Distribution



Red (100%)

Green (9%)

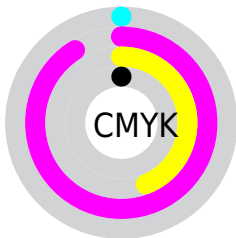
Blue (56%)



Red (100%)

Yellow (9%)

Blue (56%)

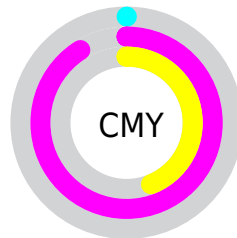


Cyan (0%)

Magenta (91%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5043, 23.8560, 28.1402 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 46.5043, 23.8560, 28.1402 by changing the saturation by 10% instead.

 46.5043, 23.8560,
28.1402


 46.5043, 23.8560,
28.1402


363.5145,
272.0917, 307.0692


 32.8503, 15.2268,
18.1914


 84.1965, 49.7951,
57.7340


 22.1704, 8.9787,
10.9166


 108.9653, 67.8738,
78.2161


 14.0995, 4.7273,
5.8973


 138.1698, 89.8712,
103.0463

 8.2721, 2.0882,
2.7150

 172.1753,
116.1717, 132.6433

 4.3228, 0.6580,
0.9510

 211.3472,
147.1595, 167.4256

 1.8863, 0.0000,
0.0000

256.0507,

 0.5689, 0.0000,

183.2192, 207.8116

0.0000

306.6514,
224.7351, 254.2200

■ 0.0000, 0.0000,
0.0000

■ 46.5043, 23.8560,
28.1402

■ 46.5043, 23.8560,
28.1402

■ 45.3963, 22.9225,
23.8176

■ 48.2616, 25.7951,
33.5834

■ 50.7241, 28.9757,
39.7822

■ 53.9846, 33.5785,
46.7824

■ 58.1203, 39.7534,
54.6240

■ 63.1987, 47.6311,
63.3433

69.2805, 57.3283,
72.9736

76.4208, 68.9516,
83.5462

84.6708, 82.5991,
95.0905

94.0782, 98.3621,
107.6343

Harmonies

Analogous

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



42.0788, 23.8560, 65.5684



46.5043, 23.8560, 28.1402



43.1999, 23.8560, 8.3583

Triad

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



46.5043, 23.8560, 28.1402



15.1434, 23.8560, 1.6719



14.1903, 23.8560, 100.9435

Complementary

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



46.5043, 23.8560, 28.1402



40.4899, 73.4527, 34.9790

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.



9.9654, 23.8560, 59.0310



46.5043, 23.8560, 28.1402



10.3969, 23.8560, 6.7587

Square

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



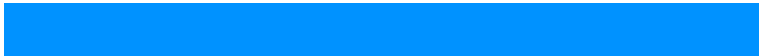
46.5043, 23.8560, 28.1402



23.4183, 23.8560, 0.8782



8.8015, 23.8560, 23.9241



21.9464, 23.8560, 122.3592

Rectangle

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



46.5043, 23.8560, 28.1402



37.4618, 23.8560, 3.2330



8.8015, 23.8560, 23.9241



12.4024, 23.8560, 87.7914

Sweetspot

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



46.5050, 23.8574, 28.1406



71.9828, 61.7019, 77.0523



27.7616, 12.6824, 95.5922



14.9072, 12.3969, 15.7389



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.



46.5050, 23.8574, 28.1406



45.3965, 22.9226, 23.8176



41.7913, 21.9719, 3.3188



18.4016, 18.1440, 20.7322



23.7965, 12.0079, 12.8449



2.3722, 1.1913, 1.5415

Inverse Universe

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



46.5050, 23.8574, 28.1406



45.3965, 22.9226, 23.8176



52.9439, 78.4343, 100.5612



18.4016, 18.1440, 20.7322



23.7965, 12.0079, 12.8449



2.3722, 1.1913, 1.5415

Previews

White Background



This preview shows how the XYZ color 46.5043, 23.8560, 28.1402 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 46.5043, 23.8560, 28.1402 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 46.5043, 23.8560, 28.1402

Background



This preview shows how black text looks on a background with the XYZ color 46.5043, 23.8560, 28.1402.



This preview shows how white text looks on a background with the XYZ color 46.5043, 23.8560,

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

46.5043, 23.8560, 28.1402

Protanopia

25.4612, 24.1293, 59.8154

Deuteranopia

24.3602, 23.9271, 25.1643



Tritanopia

42.2418, 24.0779, 6.8360

Trichromacy



Original Color

46.5043, 23.8560, 28.1402



Protanomaly

27.2719, 18.7770, 45.9030



Deuteranomaly

28.6785, 19.8245, 25.6075



Tritanomaly

43.0497, 23.4838, 12.1614

Monochromacy



Original Color

46.5043, 23.8560, 28.1402



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.4114, 13.9744, 19.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5043, 23.8560, 28.1402 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.5043, 23.8560, 28.1402 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, 143) }
```


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

```
.border{ border-color:rgb(255, 23, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5043, 23.8560, 28.1402 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, 143) }
```

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

```
.background{ background-color: rgb(255, 23,  
143) }
```

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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