

Converting Colors

XYZ(46.3415, 23.5807, 27.9302)

Have a look what the booklet for
XYZ(46.3415, 23.5807, 27.9302)
contains.

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Color

**XYZ(46.3687, 23.5848,
28.0950)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F8F
RGB	255, 15, 143
RGB Percent	100%, 6%, 56%
CMY	0.0000, 0.9410, 0.4392
CMYK	0.00, 0.94, 0.44, 0.00
HSL	328°, 100%, 53%
HSV	328°, 94%, 100%
XYZ	46.3687, 23.5848, 28.0950
YIQ	101.3520, 101.9520, 90.6880

Conversions

Conversions Part 2

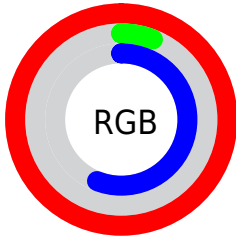
Format	Color
R _Y B	255, 15, 143
Decimal	16715663
CIE Lab	55.67, 84.69, -3.76
CIE LCh	56, 84.772, 357.459
Yxy	23.5848, 0.4729, 0.2405
Android (android.graphics.Color)	4294905743 (0xFFFF0F8F)
YUV	101.3520, 20.5325, 134.7493
Hunter-Lab	48.5642, 85.4431, -0.3051

Details

The XYZ color **46.3687, 23.5848, 28.0950** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **39.7917, 73.1554, 32.1187**, and the grayscale version is **12.3977, 13.0434, 14.2043**.

A 20% lighter version of the original color is **56.1683, 34.9917, 56.6170**, and **23.7140, 11.9968, 11.4217** is the 20% darker color. If you saturate the color by 10%, you get **45.6821, 23.0368, 25.3222**, and if you desaturate by 10%, it is **47.9256, 25.1782, 33.3014**.

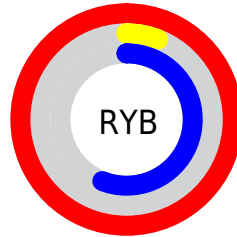
Distribution



Red (100%)

Green (6%)

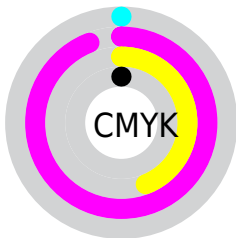
Blue (56%)



Red (100%)

Yellow (6%)

Blue (56%)

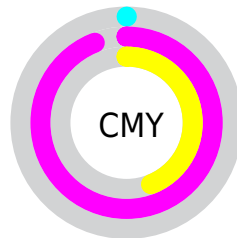


Cyan (0%)

Magenta (94%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (94%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3687, 23.5848, 28.0950 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 46.3687, 23.5848, 28.0950 by changing the saturation by 10% instead.

 46.3687, 23.5848,
28.0950


 46.3687, 23.5848,
28.0950


362.9801,
270.7146, 306.8468


 32.7427, 15.0259,
18.1576


 83.9950, 49.3518,
57.6610


 22.0877, 8.8376,
10.8926


 108.7261, 67.3287,
78.1267


 14.0383, 4.6354,
5.8814


 137.8895, 89.2137,
102.9389

 8.2292, 2.0350,
2.7055

 171.8507,
115.3913, 132.5162

 4.2950, 0.6277,
0.9462

 210.9750,
146.2457, 167.2771

 1.8703, 0.0000,
0.0000

255.6278,

 0.5595, 0.0000,

182.1615, 207.6401

0.0000

306.1743,
223.5230, 254.0239

■ 0.0000, 0.0000,
0.0000

■ 46.3687, 23.5848,
28.0950

■ 46.3687, 23.5848,
28.0950

■ 45.6821, 23.0368,
25.3222

■ 47.9256, 25.1782,
33.3014

■ 50.1481, 27.9450,
39.2157

■ 53.1353, 32.0793,
45.8843

■ 56.9681, 37.7386,
53.3472

■ 61.7164, 45.0586,
61.6401

67.4424, 54.1599,
70.7957

74.2027, 65.1519,
80.8446

82.0493, 78.1349,
91.8153

91.0307, 93.2025,
103.7349

Harmonies

Analogous

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



41.8500, 23.5848, 65.8902



46.3687, 23.5848, 28.0950



43.1028, 23.5848, 8.2057

Triad

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



46.3687, 23.5848, 28.0950



14.9385, 23.5848, 1.5381



13.8832, 23.5848, 100.9683

Complementary

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



46.3687, 23.5848, 28.0950



39.7917, 73.1554, 32.1187

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.



9.7051, 23.5848, 58.5726



46.3687, 23.5848, 28.0950



10.1809, 23.5848, 6.4512

Square

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



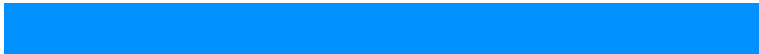
46.3687, 23.5848, 28.0950



23.2448, 23.5848, 0.7896



8.5728, 23.5848, 23.4072



21.6084, 23.5848, 122.9329

Rectangle

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



46.3687, 23.5848, 28.0950



37.3520, 23.5848, 3.1059



8.5728, 23.5848, 23.4072



12.1112, 23.5848, 87.6199

Sweetspot

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



46.3694, 23.5862, 28.0954



71.4386, 60.6314, 76.8156



26.9778, 12.0771, 95.5167



14.6769, 11.9816, 15.5225



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.



46.3694, 23.5862, 28.0954



45.6822, 23.0369, 25.3223



41.5665, 21.6651, 2.8041



18.4143, 18.1490, 20.7987



23.9462, 12.0678, 13.6328



2.3868, 1.1971, 1.6182

Inverse Universe

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



46.3694, 23.5862, 28.0954



45.6822, 23.0369, 25.3223



52.7464, 78.3372, 100.3373



18.4143, 18.1490, 20.7987



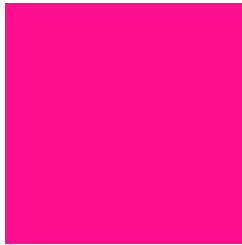
23.9462, 12.0678, 13.6328



2.3868, 1.1971, 1.6182

Previews

White Background



This preview shows how the XYZ color 46.3687, 23.5848, 28.0950 looks on a white background.

Color Contrast Check

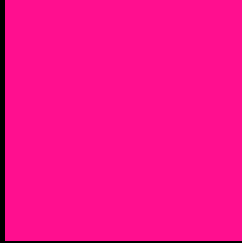
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3687, 23.5848, 28.0950 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 46.3687, 23.5848, 28.0950

Background



This preview shows how black text looks on a background with the XYZ color 46.3687, 23.5848, 28.0950.



This preview shows how white text looks on a background with the XYZ color 46.3687, 23.5848,

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

46.3687, 23.5848, 28.0950

Protanopia

25.4551, 24.0985, 61.0674

Deuteranopia

24.3602, 23.9271, 25.1643



Tritanopia

42.0861, 23.8511, 6.5232

Trichromacy



Original Color

46.3687, 23.5848, 28.0950



Protanomaly

26.7138, 18.0992, 46.3415



Deuteranomaly

28.4272, 19.3218, 25.5238



Tritanomaly

42.8183, 23.0896, 11.8728

Monochromacy



Original Color

46.3687, 23.5848, 28.0950



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

19.2472, 12.8094, 17.9810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3687, 23.5848, 28.0950 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, 15, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 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, 15, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.3687, 23.5848, 28.0950 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, 15, 143) }
```


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

```
.border{ border-color:rgb(255, 15, 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, 15, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3687, 23.5848, 28.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 143) }
```

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

```
.background{ background-color: rgb(255, 15,  
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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