

Converting Colors

XYZ(46.2651, 23.7936, 26.7779)

Have a look what the booklet for
XYZ(46.2651, 23.7936, 26.7779)
contains.

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Color

**XYZ(46.3003, 23.8067,
26.9658)**

Conversions

Conversions Part 1

Format	Color
Hex	FF188C
RGB	255, 24, 140
RGB Percent	100%, 9%, 55%
CMY	0.0000, 0.9058, 0.4510
CMYK	0.00, 0.91, 0.45, 0.00
HSL	330°, 100%, 55%
HSV	330°, 91%, 100%
XYZ	46.3003, 23.8067, 26.9658
YIQ	106.2930, 100.4400, 85.0480

Conversions

Conversions Part 2

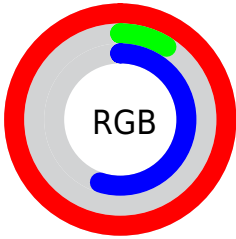
Format	Color
R _Y B	255, 24, 140
Decimal	16717964
CIE Lab	55.89, 83.53, -1.64
CIE LCh	56, 83.545, 358.873
Yxy	23.8067, 0.4770, 0.2452
Android (android.graphics.Color)	4294908044 (0xFFFF188C)
YUV	106.2930, 16.6176, 130.4160
Hunter-Lab	48.7921, 83.9978, 1.3868

Details

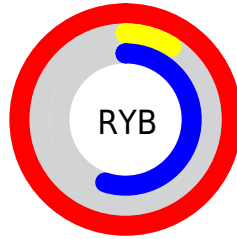
The XYZ color **46.3003, 23.8067, 26.9658** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.8001, 73.5796, 36.4906**, and the grayscale version is **13.7212, 14.4358, 15.7206**.

A 20% lighter version of the original color is **56.0197, 35.4183, 54.3359**, and **23.5837, 11.9447, 10.7354** is the 20% darker color. If you saturate the color by 10%, you get **45.1385, 22.8194, 22.4593**, and if you desaturate by 10%, it is **48.0855, 25.7914, 32.4498**.

Distribution



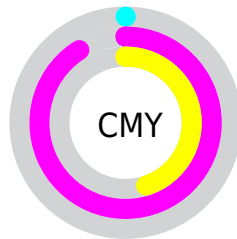
- Red (100%)
- Green (9%)
- Blue (55%)



- Red (100%)
- Yellow (9%)
- Blue (55%)



- Cyan (0%)
- Magenta (91%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3003, 23.8067, 26.9658 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 46.3003, 23.8067, 26.9658 by changing the saturation by 10% instead.

 46.3003, 23.8067,
26.9658


 46.3003, 23.8067,
26.9658

362.7104,
271.8418, 301.2464

 32.6885, 15.1903,
17.3153


 83.8934, 49.7146,
55.8321


 22.0460, 8.9530,
10.2952


 108.6053, 67.7748,
75.8849


 14.0075, 4.7106,
5.4870


 137.7480, 89.7518,
100.2423

 8.2076, 2.0785,
2.4720

 171.6868,
116.0300, 129.3228

 4.2810, 0.6525,
0.8253

 210.7871,
146.9936, 163.5449

 1.8623, 0.0000,
0.0000

255.4143,

 0.5548, 0.0000,

183.0272, 203.3272

0.0000

305.9335,
224.5151, 249.0882

■ 0.0000, 0.0000,
0.0000

■ 46.3003, 23.8067,
26.9658

■ 46.3003, 23.8067,
26.9658

■ 45.1385, 22.8194,
22.4593

■ 48.0855, 25.7914,
32.4498

■ 50.5857, 29.0276,
38.7221

■ 53.8934, 33.6949,
45.8302

■ 58.0856, 39.9424,
53.8155

■ 63.2298, 47.9001,
62.7154

69.3866, 57.6846,
72.5649

76.6115, 69.4020,
83.3964

84.9555, 83.1503,
95.2406

94.4665, 99.0208,
108.1265

Harmonies

Analogous

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



42.1874, 23.8067, 63.5516



46.3003, 23.8067, 26.9658



42.7349, 23.8067, 7.9559

Triad

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



46.3003, 23.8067, 26.9658



14.8909, 23.8067, 1.7838



14.4243, 23.8067, 101.6531

Complementary

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



46.3003, 23.8067, 26.9658



40.8001, 73.5796, 36.4906

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.



10.0872, 23.8067, 60.3608



46.3003, 23.8067, 26.9658



10.2987, 23.8067, 7.1710

Square

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



46.3003, 23.8067, 26.9658



22.9893, 23.8067, 0.8977



8.8189, 23.8067, 24.9044



22.2696, 23.8067, 121.5688

Rectangle

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



46.3003, 23.8067, 26.9658



36.9253, 23.8067, 3.0929



8.8189, 23.8067, 24.9044



12.5987, 23.8067, 88.8379

Sweetspot

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



46.3009, 23.8081, 26.9662



71.8443, 61.6465, 76.3230



28.4767, 13.0811, 95.6317



14.8746, 12.3839, 15.5675



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.



46.3009, 23.8081, 26.9662



45.1385, 22.8194, 22.4594



41.7755, 21.9979, 3.1355



18.3898, 18.1392, 20.6699



23.6613, 11.9538, 12.1327



2.3590, 1.1860, 1.4717

Inverse Universe

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



46.3009, 23.8081, 26.9662



45.1385, 22.8194, 22.4594



53.5738, 78.6891, 103.7561



18.3898, 18.1392, 20.6699



23.6613, 11.9538, 12.1327



2.3590, 1.1860, 1.4717

Previews

White Background



This preview shows how the XYZ color 46.3003, 23.8067, 26.9658 looks on a white background.

Color Contrast Check

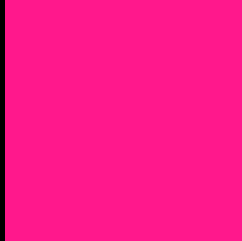
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3003, 23.8067, 26.9658 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 46.3003, 23.8067, 26.9658

Background



This preview shows how black text looks on a background with the XYZ color 46.3003, 23.8067, 26.9658.



This preview shows how white text looks on a background with the XYZ color 46.3003, 23.8067,

26.9658.

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

46.3003, 23.8067, 26.9658

Protanopia

25.2422, 24.0708, 57.3486

Deuteranopia

24.3395, 23.9398, 24.1069



Tritanopia

42.1632, 23.9634, 6.6781

Trichromacy



Original Color

46.3003, 23.8067, 26.9658



Protanomaly

27.2601, 18.9356, 44.3376



Deuteranomaly

28.7138, 19.8670, 24.5116



Tritanomaly

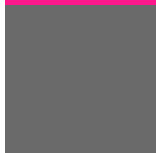
42.9251, 23.3707, 11.6998

Monochromacy



Original Color

46.3003, 23.8067, 26.9658



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.3517, 13.9505, 18.7596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3003, 23.8067, 26.9658 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, 24, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 140)  
}
```

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, 24, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 140) }
```

Border

The CSS property to change the border of an element to XYZ 46.3003, 23.8067, 26.9658 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, 24, 140) }
```


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

```
.border{ border-color:rgb(255, 24, 140) }
```

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

Here you see how a box with a 4 pixel rgb(255, 24, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3003, 23.8067, 26.9658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 140) }
```

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

```
.background{ background-color: rgb(255, 24,  
140) }
```

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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