

Converting Colors

XYZ(46.0663, 23.5014, 26.3864)

Have a look what the booklet for
XYZ(46.0663, 23.5014, 26.3864)
contains.

XYZ(46.1006, 23.5250, 26.5371)	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(46.1006, 23.5250,
26.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	FF118B
RGB	255, 17, 139
RGB Percent	100%, 7%, 55%
CMY	0.0000, 0.9331, 0.4549
CMYK	0.00, 0.93, 0.45, 0.00
HSL	329°, 100%, 53%
HSV	329°, 93%, 100%
XYZ	46.1006, 23.5250, 26.5371
YIQ	102.0700, 102.6860, 88.3980

Conversions

Conversions Part 2

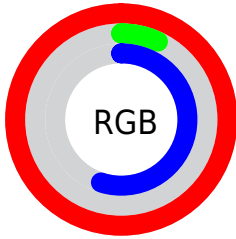
Format	Color
R_{YB}	255, 17, 139
Decimal	16716171
CIE _{Lab}	55.61, 84.19, -1.46
CIE _{LCh}	56, 84.202, 359.003
Yxy	23.5250, 0.4794, 0.2446
Android (android.graphics.Color)	4294906251 (0xFFFF118B)
YUV	102.0700, 18.2065, 134.1196
Hunter-Lab	48.5026, 84.7807, 1.5126

Details

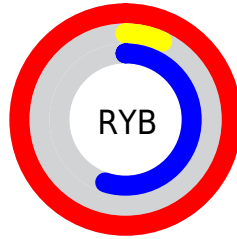
The XYZ color **46.1006, 23.5250, 26.5371** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.2288, 73.3341, 34.2419**, and the grayscale version is **12.5895, 13.2451, 14.4239**.

A 20% lighter version of the original color is **55.6047, 34.7663, 53.6490**, and **23.5414, 11.9277, 10.5127** is the 20% darker color. If you saturate the color by 10%, you get **45.3156, 22.8902, 23.3925**, and if you desaturate by 10%, it is **47.7084, 25.2034, 31.8124**.

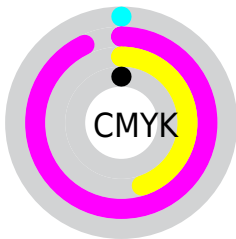
Distribution



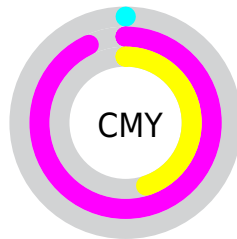
- Red (100%)
- Green (7%)
- Blue (55%)



- Red (100%)
- Yellow (7%)
- Blue (55%)



- Cyan (0%)
- Magenta (93%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1006, 23.5250, 26.5371 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 46.1006, 23.5250, 26.5371 by changing the saturation by 10% instead.


 46.1006, 23.5250,
26.5371


 46.1006, 23.5250,
26.5371


361.9221,
270.4102, 299.0977

 32.5302, 14.9816,
16.9965


 83.5965, 49.2539,
55.1348


 21.9243, 8.8065,
10.0701


 108.2526, 67.2083,
75.0291


 13.9176, 4.6152,
5.3392


 137.3348, 89.0685,
99.2116

 8.1447, 2.0233,
2.3854

 171.2082,
115.2189, 128.1010

 4.2402, 0.6210,
0.7785

 210.2383,
146.0438, 162.1158

 1.8389, 0.0000,
0.0000

254.7904,

 0.5410, 0.0000,

181.9278, 201.6744

0.0000

305.2299,
223.2551, 247.1956

■ 0.0000, 0.0000,
0.0000

■ 46.1006, 23.5250,
26.5371

■ 46.1006, 23.5250,
26.5371

■ 45.3156, 22.8902,
23.3925

■ 47.7084, 25.2034,
31.8124

■ 49.9982, 28.0753,
37.8407

■ 53.0680, 32.3313,
44.6702

■ 56.9977, 38.1271,
52.3425

■ 61.8571, 45.5971,
60.8950

67.7083, 54.8611,
70.3623

74.6077, 66.0278,
80.7763

82.6074, 79.1973,
92.1673

91.7559, 94.4623,
104.5640

Harmonies

Analogous

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



41.9999, 23.5250, 63.1931



46.1006, 23.5250, 26.5371



42.4863, 23.5250, 7.6807

Triad

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



46.1006, 23.5250, 26.5371



14.6090, 23.5250, 1.6831



14.1979, 23.5250, 101.9193

Complementary

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



46.1006, 23.5250, 26.5371



40.2288, 73.3341, 34.2419

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.



9.8702, 23.5250, 60.3541



46.1006, 23.5250, 26.5371



10.0559, 23.5250, 6.9949

Square

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



46.1006, 23.5250, 26.5371



22.6796, 23.5250, 0.8171



8.6001, 23.5250, 24.7140



22.0430, 23.5250, 121.8676

Rectangle

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



46.1006, 23.5250, 26.5371



36.6409, 23.5250, 2.9270



8.6001, 23.5250, 24.7140



12.3754, 23.5250, 89.0232

Sweetspot

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



46.1012, 23.5264, 26.5375



71.2414, 60.5526, 75.7774



27.7759, 12.5325, 95.5624



14.6297, 11.9627, 15.2740



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.



46.1012, 23.5264, 26.5375



45.3157, 22.8903, 23.3926



41.5765, 21.7165, 2.7105



18.3980, 18.1425, 20.7129



23.7542, 11.9910, 12.6221



2.3681, 1.1896, 1.5197

Inverse Universe

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



46.1012, 23.5264, 26.5375



45.3157, 22.8903, 23.3926



53.4098, 78.6065, 103.6522



18.3980, 18.1425, 20.7129



23.7542, 11.9910, 12.6221



2.3681, 1.1896, 1.5197

Previews

White Background



This preview shows how the XYZ color 46.1006, 23.5250, 26.5371 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 46.1006, 23.5250, 26.5371 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 46.1006, 23.5250, 26.5371

Background



This preview shows how black text looks on a background with the XYZ color 46.1006, 23.5250, 26.5371.



This preview shows how white text looks on a background with the XYZ color 46.1006, 23.5250,

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

46.1006, 23.5250, 26.5371

Protanopia

25.1156, 24.0056, 57.3426

Deuteranopia

24.1410, 23.6486, 23.7143



Tritanopia

42.0105, 23.7410, 6.3713

Trichromacy



Original Color

46.1006, 23.5250, 26.5371



Protanomaly

26.6962, 18.2732, 43.7150



Deuteranomaly

28.3936, 19.3368, 24.0657



Tritanomaly

42.6931, 23.0395, 11.2137

Monochromacy



Original Color

46.1006, 23.5250, 26.5371



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

19.4483, 13.0134, 17.7065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1006, 23.5250, 26.5371 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, 17, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 17, 139)  
}
```

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, 17, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 17, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.1006, 23.5250, 26.5371 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, 17, 139) }
```


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

```
.border{ border-color:rgb(255, 17, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 17, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 17, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 17, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 17,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1006, 23.5250, 26.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 17, 139) }
```

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

```
.background{ background-color: rgb(255, 17,  
139) }
```

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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