

Converting Colors

XYZ(46.2318, 26.5641, 18.0199)

Have a look what the booklet for
XYZ(46.2318, 26.5641, 18.0199)
contains.

XYZ(46.2318, 26.5641, 18.0199)	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(46.2318, 26.5641,
18.0199)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4470
RGB	255, 68, 112
RGB Percent	100%, 27%, 44%
CMY	0.0000, 0.7333, 0.5608
CMYK	0.00, 0.73, 0.56, 0.00
HSL	346°, 100%, 63%
HSV	346°, 73%, 100%
XYZ	46.2318, 26.5641, 18.0199
YIQ	128.9290, 97.3280, 53.3280

Conversions

Conversions Part 2

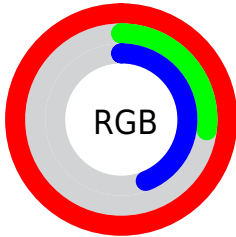
Format	Color
RYB	255, 68, 112
Decimal	16729200
CIELab	58.57, 71.81, 18.76
CIElCh	59, 74.215, 14.642
Yxy	26.5641, 0.5091, 0.2925
Android (android.graphics.Color)	4294919280 (0xFFFF4470)
YUV	128.9290, -8.3460, 110.5643
Hunter-Lab	51.5404, 69.9191, 15.3489

Details

The XYZ color **46.2318, 26.5641, 18.0199** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **49.9041, 77.4530, 73.9559**, and the grayscale version is **20.8477, 21.9334, 23.8854**.

A 20% lighter version of the original color is **55.8335, 39.8696, 39.4032**, and **22.4400, 11.4580, 6.0299** is the 20% darker color. If you saturate the color by 10%, you get **44.0398, 23.7340, 12.5000**, and if you desaturate by 10%, it is **49.3303, 30.8314, 25.0025**.

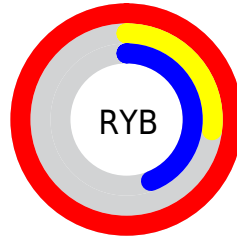
Distribution



Red (100%)

Green (27%)

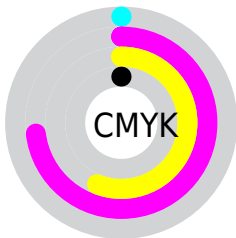
Blue (44%)



Red (100%)

Yellow (27%)

Blue (44%)

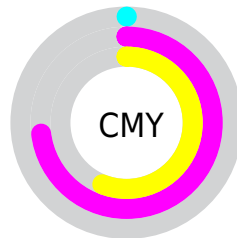


Cyan (0%)

Magenta (73%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2318, 26.5641, 18.0199 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 46.2318, 26.5641, 18.0199 by changing the saturation by 10% instead.


 46.2318, 26.5641,
18.0199


 46.2318, 26.5641,
18.0199

362.4401,
285.5403, 253.2231


 32.6342, 17.2461,
10.7947


 83.7915, 54.1836,
40.8856


 22.0042, 10.4101,
5.8165


 108.4844, 73.2539,
57.3632


 13.9766, 5.6717,
2.6669


 137.6063, 96.3438,
77.7620

 8.1860, 2.6465,
0.9267

 171.5227,
123.8376, 102.5006

 4.2670, 0.9501,
0.0000

 210.5989,
156.1198, 131.9974

 1.8543, 0.0000,
0.0000

255.2003,

 0.5500, 0.0000,

193.5747, 166.6711

0.0000

305.6923,
236.5867, 206.9401

■ 0.0000, 0.0000,
0.0000

■ 46.2318, 26.5641,
18.0199

■ 46.2318, 26.5641,
18.0199

■ 44.0398, 23.7340,
12.5000

■ 49.3303, 30.8314,
25.0025

■ 42.6431, 22.1423,
8.3293

■ 53.4244, 36.6912,
33.5458

■ 42.0551, 21.5860,
6.2231

■ 58.5945, 44.2836,
43.7401

■ 64.9119, 53.7322,
55.6685

■ 72.4416, 65.1491,
69.4081

81.2438, 78.6373,
85.0312

91.3743, 94.2929,
102.6063

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



46.1472, 26.5641, 44.3211



46.2318, 26.5641, 18.0199



39.8487, 26.5641, 6.0736

Triad

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



46.2318, 26.5641, 18.0199



14.8450, 26.5641, 5.9186



20.8938, 26.5641, 109.0984

Complementary

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



46.2318, 26.5641, 18.0199



49.9041, 77.4530, 73.9559

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.



14.7368, 26.5641, 80.3268



46.2318, 26.5641, 18.0199



11.8597, 26.5641, 17.5827

Square

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



46.2318, 26.5641, 18.0199



21.0803, 26.5641, 2.4891



11.8256, 26.5641, 43.5228



29.9325, 26.5641, 109.4912

Rectangle

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



46.2318, 26.5641, 18.0199



33.5038, 26.5641, 3.1662



11.8256, 26.5641, 43.5228



18.4744, 26.5641, 101.9027

Sweetspot

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



46.2325, 26.5656, 18.0203



73.5363, 66.8192, 71.3732



46.2015, 24.8024, 96.9597



15.2666, 13.5806, 14.4256



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.



46.2325, 26.5656, 18.0203



43.2960, 22.8498, 10.3910



48.3871, 33.8842, 9.4610



18.1845, 18.0571, 19.5885



22.0223, 11.2982, 3.5017



2.1843, 1.1161, 0.5521

Inverse Universe

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



46.2325, 26.5656, 18.0203



43.2960, 22.8498, 10.3910



43.0524, 53.6846, 102.7005



18.1845, 18.0571, 19.5885



22.0223, 11.2982, 3.5017



2.1843, 1.1161, 0.5521

Previews

White Background



This preview shows how the XYZ color 46.2318, 26.5641, 18.0199 looks on a white background.

Color Contrast Check

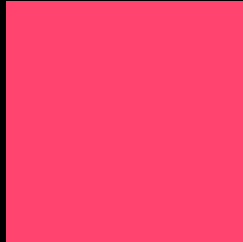
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2318, 26.5641, 18.0199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

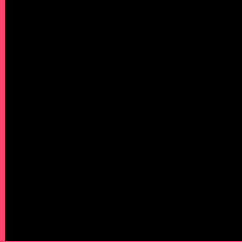
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2318, 26.5641, 18.0199

Background



This preview shows how black text looks on a background with the XYZ color 46.2318, 26.5641, 18.0199.



This preview shows how white text looks on a background with the XYZ color 46.2318, 26.5641,

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

46.2318, 26.5641, 18.0199

Protanopia

25.7999, 26.6135, 31.3809

Deuteranopia

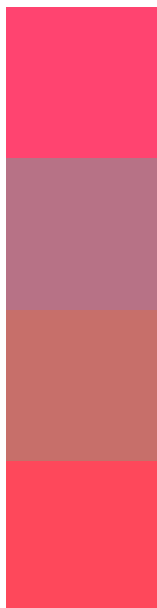
27.0485, 26.5227, 16.5257



Tritanopia

44.4354, 26.4793, 10.1662

Trichromacy



Original Color

46.2318, 26.5641, 18.0199

Protanomaly

29.8488, 23.8231, 25.5794

Deuteranomaly

31.8391, 24.5516, 16.6965

Tritanomaly

45.0787, 26.4609, 12.6291

Monochromacy



Original Color

46.2318, 26.5641, 18.0199

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

26.5120, 21.0594, 21.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2318, 26.5641, 18.0199 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, 68, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 112)  
}
```

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, 68, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 112) }
```

Border

The CSS property to change the border of an element to XYZ 46.2318, 26.5641, 18.0199 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, 68, 112) }
```


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

```
.border{ border-color:rgb(255, 68, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 68, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2318, 26.5641, 18.0199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 112) }
```

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

```
.background{ background-color: rgb(255, 68,  
112) }
```

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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