

Converting Colors

XYZ(59.9632, 33.1212, 23.2335)

Have a look what the booklet for
XYZ(59.9632, 33.1212, 23.2335)
contains.

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Color

**XYZ(46.8483, 26.3473,
22.6950)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3F7F
RGB	255, 63, 127
RGB Percent	100%, 25%, 50%
CMY	0.0000, 0.7529, 0.5020
CMYK	0.00, 0.75, 0.50, 0.00
HSL	340°, 100%, 62%
HSV	340°, 75%, 100%
XYZ	46.8483, 26.3473, 22.6950
YIQ	127.7040, 93.8880, 60.6080

Conversions

Conversions Part 2

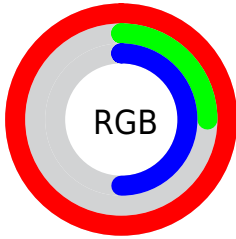
Format	Color
R_{YB}	255, 63, 127
Decimal	16727935
CIE _{Lab}	58.37, 74.42, 9.63
CIE _{LCh}	58, 75.043, 7.376
Yxy	26.3473, 0.4886, 0.2748
Android (android.graphics.Color)	4294918015 (0xFFFF3F7F)
YUV	127.7040, -0.3471, 111.6386
Hunter-Lab	51.3296, 73.0893, 9.7161

Details

The XYZ color **46.8483, 26.3473, 22.6950** 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 **47.2161, 76.3392, 61.5442**, and the grayscale version is **20.3957, 21.4579, 23.3677**.

A 20% lighter version of the original color is **56.8375, 39.4364, 47.2641**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **44.7320, 23.7411, 16.9765**, and if you desaturate by 10%, it is **49.8061, 30.3377, 29.6169**.

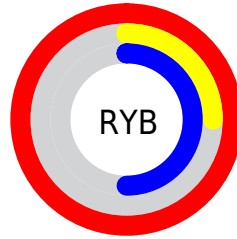
Distribution



Red (100%)

Green (25%)

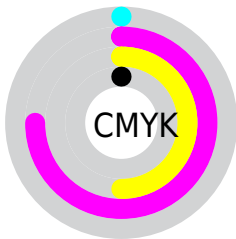
Blue (50%)



Red (100%)

Yellow (25%)

Blue (50%)

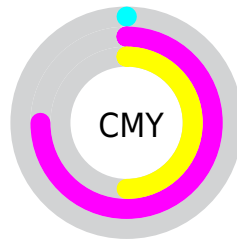


Cyan (0%)

Magenta (75%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8483, 26.3473, 22.6950 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 46.8483, 26.3473, 22.6950 by changing the saturation by 10% instead.


 46.8483, 26.3473,
22.6950


 46.8483, 26.3473,
22.6950


364.8677,
284.4828, 279.2255


 33.1232, 17.0836,
14.1653


 84.7073, 53.8347,
48.8089


 22.3805, 10.2941,
8.0956


 109.5718, 72.8272,
67.2301


 14.2549, 5.5944,
4.0676


 138.8802, 95.8315,
89.7855

 8.3811, 2.6001,
1.6625

 172.9979,
123.2319, 116.8938

 4.3936, 0.9267,
0.3348

 212.2901,
155.4128, 148.9734

 1.9271, 0.0000,
0.0000

257.1222,

 0.5925, 0.0000,

192.7587, 186.4428

0.0000

307.8597,
235.6539, 229.7207

■ 0.0000, 0.0000,
0.0000

■ 46.8483, 26.3473,
22.6950

■ 46.8483, 26.3473,
22.6950

■ 44.7320, 23.7411,
16.9765

■ 49.8061, 30.3377,
29.6169

■ 43.3473, 22.3135,
12.3778

■ 53.6920, 35.8710,
37.8134

■ 42.8791, 21.9157,
10.5621

■ 58.5834, 43.0888,
47.3508

■ 64.5484, 52.1155,
58.2899

■ 71.6493, 63.0636,
70.6876

■ 79.9432, 76.0362,
84.5970

■ 89.4833, 91.1294,
100.0690

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



45.0382, 26.3473, 52.7553



46.8483, 26.3473, 22.6950



41.7808, 26.3473, 7.6875

Triad

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



46.8483, 26.3473, 22.6950



15.8110, 26.3473, 4.3903



18.8674, 26.3473, 104.8254

Complementary

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



46.8483, 26.3473, 22.6950



47.2161, 76.3392, 61.5442

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.



13.5045, 26.3473, 71.4157



46.8483, 26.3473, 22.6950



12.0631, 26.3473, 13.3458

Square

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



46.8483, 26.3473, 22.6950



22.8516, 26.3473, 2.1187



11.3359, 26.3473, 35.6522



27.3687, 26.3473, 113.2485

Rectangle

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



46.8483, 26.3473, 22.6950



35.7719, 26.3473, 3.7400



11.3359, 26.3473, 35.6522



16.7065, 26.3473, 95.4606

Sweetspot

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



46.8490, 26.3488, 22.6954



73.4404, 65.8505, 73.7359



41.3152, 21.8535, 96.6481



15.1203, 13.1636, 14.7604



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.



46.8490, 26.3488, 22.6954



43.9962, 22.9359, 14.6759



46.2307, 29.8055, 8.0210



18.2591, 18.0869, 19.9814



22.4669, 11.4760, 5.8429



2.2358, 1.1367, 0.8231

Inverse Universe

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



46.8490, 26.3488, 22.6954



43.9962, 22.9359, 14.6759



46.4890, 61.0537, 103.9419



18.2591, 18.0869, 19.9814



22.4669, 11.4760, 5.8429



2.2358, 1.1367, 0.8231

Previews

White Background



This preview shows how the XYZ color 46.8483, 26.3473, 22.6950 looks on a white background.

Color Contrast Check

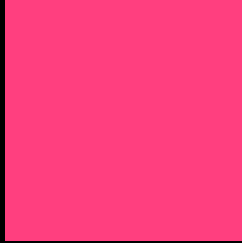
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8483, 26.3473, 22.6950 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 46.8483, 26.3473, 22.6950

Background



This preview shows how black text looks on a background with the XYZ color 46.8483, 26.3473, 22.6950.



This preview shows how white text looks on a background with the XYZ color 46.8483, 26.3473,

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

46.8483, 26.3473, 22.6950

Protanopia

26.2256, 26.3981, 41.2492

Deuteranopia

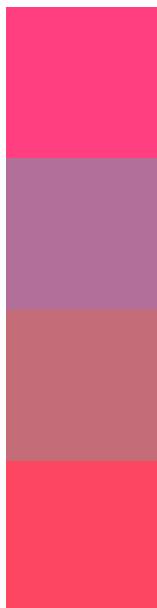
26.8343, 26.3173, 20.8050



Tritanopia

44.0361, 26.2777, 9.9589

Trichromacy



Original Color

46.8483, 26.3473, 22.6950

Protanomaly

29.8773, 23.1670, 33.4688

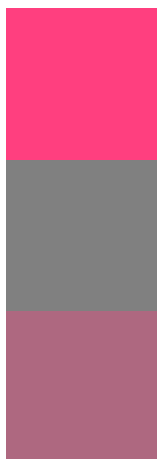
Deuteranomaly

31.6848, 24.0535, 21.0620

Tritanomaly

44.8726, 26.2337, 13.7649

Monochromacy



Original Color

46.8483, 26.3473, 22.6950

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

26.3022, 20.4578, 22.9846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8483, 26.3473, 22.6950 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, 63, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 127)  
}
```

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, 63, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 127) }
```

Border

The CSS property to change the border of an element to XYZ 46.8483, 26.3473, 22.6950 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, 63, 127) }
```


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

```
.border{ border-color:rgb(255, 63, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 63, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8483, 26.3473, 22.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 127) }
```

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

```
.background{ background-color: rgb(255, 63,  
127) }
```

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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