

Converting Colors

XYZ(46.9485, 25.3537, 26.4095)

Have a look what the booklet for
XYZ(46.9485, 25.3537, 26.4095)
contains.

XYZ(46.9680, 25.3762, 26.4674)	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(46.9680, 25.3762,
26.4674)**

Conversions

Conversions Part 1

Format	Color
Hex	FF328A
RGB	255, 50, 138
RGB Percent	100%, 20%, 54%
CMY	0.0000, 0.8039, 0.4588
CMYK	0.00, 0.80, 0.46, 0.00
HSL	334°, 100%, 60%
HSV	334°, 80%, 100%
XYZ	46.9680, 25.3762, 26.4674
YIQ	121.3270, 93.9320, 70.8280

Conversions

Conversions Part 2

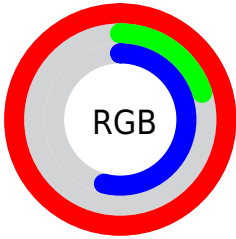
Format	Color
R_{YB}	255, 50, 138
Decimal	16724618
CIE _{Lab}	57.44, 78.75, 1.80
CIE _{LCh}	57, 78.766, 1.311
Yxy	25.3762, 0.4753, 0.2568
Android (android.graphics.Color)	4294914698 (0xFFFF328A)
YUV	121.3270, 8.2198, 117.2312
Hunter-Lab	50.3748, 78.2723, 4.1108

Details

The XYZ color **46.9680, 25.3762, 26.4674** 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 **44.0528, 74.9889, 48.7200**, and the grayscale version is **18.2354, 19.1850, 20.8925**.

A 20% lighter version of the original color is **57.1224, 37.9785, 53.6101**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **45.1804, 23.3760, 21.0162**, and if you desaturate by 10%, it is **49.5043, 28.6479, 32.8652**.

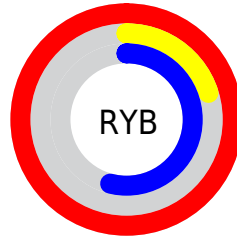
Distribution



Red (100%)

Green (20%)

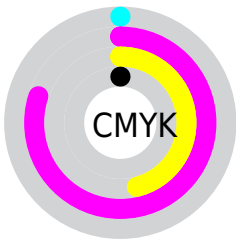
Blue (54%)



Red (100%)

Yellow (20%)

Blue (54%)

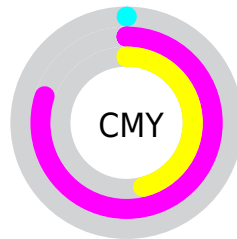


Cyan (0%)

Magenta (80%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9680, 25.3762, 26.4674 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 46.9680, 25.3762, 26.4674 by changing the saturation by 10% instead.

 46.9680, 25.3762,
26.4674

 46.9680, 25.3762,
26.4674


365.3378,
279.7063, 298.7472


 33.2182, 16.3576,
16.9447


 84.8849, 52.2669,
55.0213


 22.4537, 9.7775,
10.0336


 109.7827, 70.9077,
74.8897


 14.3091, 5.2517,
5.3153


 139.1272, 93.5247,
99.0437

 8.4191, 2.3957,
2.3715

 173.2838,
120.5023, 127.9018

 4.4183, 0.8237,
0.7709

 212.6178,
152.2248, 161.8827

 1.9414, 0.0000,
0.0000

257.4945,

 0.6007, 0.0000,

189.0768, 201.4049

0.0000

308.2794,
231.4425, 246.8869

■ 0.0000, 0.0000,
0.0000

■ 46.9680, 25.3762,
26.4674

■ 46.9680, 25.3762,
26.4674

■ 45.1804, 23.3760,
21.0162

■ 49.5043, 28.6479,
32.8652

■ 44.0245, 22.3738,
16.5939

■ 52.8805, 33.3649,
40.2656

■ 57.1760, 39.6780,
48.7198

■ 62.4598, 47.7178,
58.2743

■ 68.7941, 57.6010,
68.9723

■ 76.2356, 69.4345,
80.8542

■ 84.8369, 83.3165,
93.9583

94.6471, 99.3387,
108.3209

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



43.6119, 25.3762, 60.5115



46.9680, 25.3762, 26.4674



43.0034, 25.3762, 8.5629

Triad

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



46.9680, 25.3762, 26.4674



15.9205, 25.3762, 2.8419



16.4675, 25.3762, 102.0375

Complementary

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



46.9680, 25.3762, 26.4674



44.0528, 74.9889, 48.7200

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.



11.7754, 25.3762, 64.0232



46.9680, 25.3762, 26.4674



11.5218, 25.3762, 9.5332

Square

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



46.9680, 25.3762, 26.4674



23.7097, 25.3762, 1.4935



10.2259, 25.3762, 28.8269



24.5336, 25.3762, 117.8852

Rectangle

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



46.9680, 25.3762, 26.4674



37.2151, 25.3762, 3.7620



10.2259, 25.3762, 28.8269



14.5246, 25.3762, 90.5836

Sweetspot

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



46.9687, 25.3777, 26.4678



73.4146, 64.9255, 76.4201



34.9537, 17.6286, 96.1677



15.1498, 13.0006, 15.4546



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.



46.9687, 25.3777, 26.4678



44.4610, 22.7255, 18.3454



43.6315, 25.1216, 5.5690



18.3330, 18.1165, 20.3708



23.0752, 11.7194, 9.0462



2.3002, 1.1624, 1.1622

Inverse Universe

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



46.9687, 25.3777, 26.4678



44.4610, 22.7255, 18.3454



50.9205, 71.0071, 105.6293



18.3330, 18.1165, 20.3708



23.0752, 11.7194, 9.0462



2.3002, 1.1624, 1.1622

Previews

White Background



This preview shows how the XYZ color 46.9680, 25.3762, 26.4674 looks on a white background.

Color Contrast Check

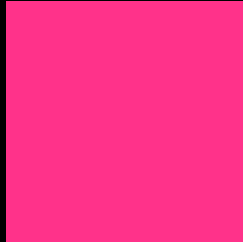
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9680, 25.3762, 26.4674 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 46.9680, 25.3762, 26.4674

Background



This preview shows how black text looks on a background with the XYZ color 46.9680, 25.3762, 26.4674.



This preview shows how white text looks on a background with the XYZ color 46.9680, 25.3762,

26.4674.

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

46.9680, 25.3762, 26.4674

Protanopia

26.0496, 25.4501, 51.1164

Deuteranopia

25.8014, 25.3021, 23.9460



Tritanopia

43.1435, 25.3574, 8.7514

Trichromacy



Original Color

46.9680, 25.3762, 26.4674



Protanomaly

29.1019, 21.6634, 40.6778



Deuteranomaly

30.5010, 22.4428, 24.5541



Tritanomaly

44.0337, 25.0950, 13.5893

Monochromacy



Original Color

46.9680, 25.3762, 26.4674



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

24.5005, 18.2628, 22.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9680, 25.3762, 26.4674 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, 50, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 138)  
}
```

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, 50, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 138) }
```

Border

The CSS property to change the border of an element to XYZ 46.9680, 25.3762, 26.4674 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, 50, 138) }
```


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

```
.border{ border-color:rgb(255, 50, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9680, 25.3762, 26.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 138) }
```

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

```
.background{ background-color: rgb(255, 50,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor