

Converting Colors

XYZ(46.8127, 26.7159, 21.3273)

Have a look what the booklet for
XYZ(46.8127, 26.7159, 21.3273)
contains.

XYZ(46.8223, 26.7044, 21.4255)	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(46.8223, 26.7044,
21.4255)**

Conversions

Conversions Part 1

Format	Color
Hex	FF437B
RGB	255, 67, 123
RGB Percent	100%, 26%, 48%
CMY	0.0000, 0.7372, 0.5176
CMYK	0.00, 0.74, 0.52, 0.00
HSL	342°, 100%, 63%
HSV	342°, 74%, 100%
XYZ	46.8223, 26.7044, 21.4255
YIQ	129.5960, 94.0720, 57.2720

Conversions

Conversions Part 2

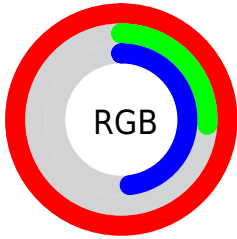
Format	Color
R_{YB}	255, 67, 123
Decimal	16728955
CIE _{Lab}	58.70, 72.91, 12.46
CIE _{LCh}	59, 73.965, 9.701
Yxy	26.7044, 0.4931, 0.2812
Android (android.graphics.Color)	4294919035 (0xFFFF437B)
YUV	129.5960, -3.2518, 109.9793
Hunter-Lab	51.6763, 71.2998, 11.5912

Details

The XYZ color **46.8223, 26.7044, 21.4255** 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 **48.3858, 76.8376, 66.3217**, and the grayscale version is **21.0654, 22.1625, 24.1349**.

A 20% lighter version of the original color is **56.8281, 40.0557, 45.2938**, and **23.0082, 11.7145, 7.7051** is the 20% darker color. If you saturate the color by 10%, you get **44.6053, 23.9034, 15.6530**, and if you desaturate by 10%, it is **49.9123, 30.9238, 28.5008**.

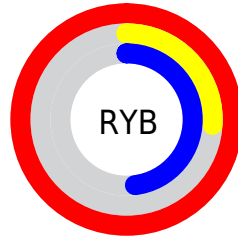
Distribution



Red (100%)

Green (26%)

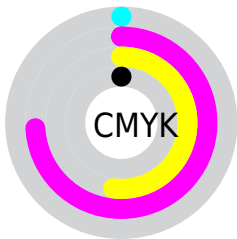
Blue (48%)



Red (100%)

Yellow (26%)

Blue (48%)

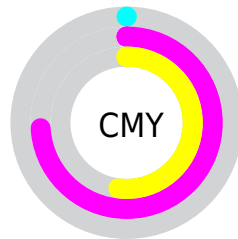


Cyan (0%)

Magenta (74%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (74%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8223, 26.7044, 21.4255 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 46.8223, 26.7044, 21.4255 by changing the saturation by 10% instead.


 46.8223, 26.7044,
21.4255


 46.8223, 26.7044,
21.4255

364.7655,
286.2230, 272.3862


 33.1026, 17.3513,
13.2411


 84.6687, 54.4092,
46.6846


 22.3646, 10.4853,
7.4621


 109.5260, 73.5297,
64.5963


 14.2432, 5.7219,
3.6699


 138.8266, 96.6747,
86.5876

 8.3728, 2.6767,
1.4461

 172.9358,
124.2288, 113.0770

 4.3882, 0.9654,
0.1773

 212.2189,
156.5763, 144.4830

 1.9240, 0.0000,
0.0000

257.0413,

 0.5907, 0.0000,

194.1016, 181.2242

0.0000

307.7684,
237.1890, 223.7191

■ 0.0000, 0.0000,
0.0000

■ 46.8223, 26.7044,
21.4255

■ 46.8223, 26.7044,
21.4255

■ 44.6053, 23.9034,
15.6530

■ 49.9123, 30.9238,
28.5008

■ 43.1534, 22.3221,
11.0916

■ 53.9615, 36.7167,
36.9580

■ 42.5424, 21.7809,
8.7893

■ 59.0472, 44.2225,
46.8708

■ 65.2380, 53.5640,
58.3066

■ 72.5965, 64.8526,
71.3285

81.1804, 78.1910,
85.9959

91.0437, 93.6742,
102.3651

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.



45.5758, 26.7044, 50.1478



46.8223, 26.7044, 21.4255



41.3585, 26.7044, 7.3801

Triad

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



46.8223, 26.7044, 21.4255



15.7676, 26.7044, 5.0557



19.7843, 26.7044, 105.9119

Complementary

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



46.8223, 26.7044, 21.4255



48.3858, 76.8376, 66.3217

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.



14.1622, 26.7044, 74.2517



46.8223, 26.7044, 21.4255



12.2569, 26.7044, 14.9301

Square

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



46.8223, 26.7044, 21.4255



22.5468, 26.7044, 2.3756



11.7494, 26.7044, 38.3615



28.4449, 26.7044, 111.6829

Rectangle

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



46.8223, 26.7044, 21.4255



35.2688, 26.7044, 3.7258



11.7494, 26.7044, 38.3615



17.5401, 26.7044, 97.3211

Sweetspot

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



46.8230, 26.7059, 21.4259



73.9844, 66.9985, 73.7329



43.5061, 23.3239, 96.8163



15.3710, 13.6223, 14.9754



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.



46.8230, 26.7059, 21.4259



43.8975, 23.0903, 13.5583



47.2654, 31.6894, 8.9379



18.2320, 18.0761, 19.8386



22.2863, 11.4038, 4.8920



2.2156, 1.1286, 0.7165

Inverse Universe

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



46.8230, 26.7059, 21.4259



43.8975, 23.0903, 13.5583



45.2823, 58.2472, 103.4635



18.2320, 18.0761, 19.8386



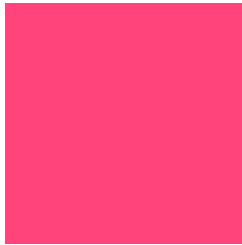
22.2863, 11.4038, 4.8920



2.2156, 1.1286, 0.7165

Previews

White Background



This preview shows how the XYZ color 46.8223, 26.7044, 21.4255 looks on a white background.

Color Contrast Check

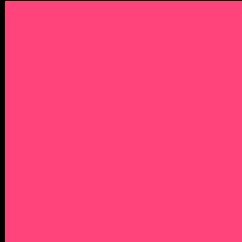
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8223, 26.7044, 21.4255 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 46.8223, 26.7044, 21.4255

Background



This preview shows how black text looks on a background with the XYZ color 46.8223, 26.7044, 21.4255.



This preview shows how white text looks on a background with the XYZ color 46.8223, 26.7044,

21.4255.

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

46.8223, 26.7044, 21.4255

Protanopia

26.3809, 26.7681, 37.9588

Deuteranopia

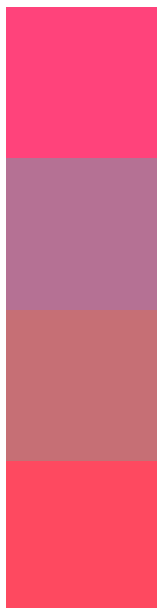
27.3585, 26.8226, 19.6549



Tritanopia

44.6471, 26.7845, 10.6013

Trichromacy



Original Color

46.8223, 26.7044, 21.4255

Protanomaly

30.3065, 23.7721, 31.0081

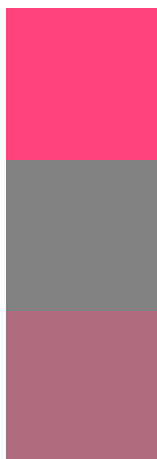
Deuteranomaly

32.1840, 24.6590, 19.8930

Tritanomaly

45.3669, 26.6804, 13.8251

Monochromacy



Original Color

46.8223, 26.7044, 21.4255

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

26.7677, 21.1617, 22.7525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8223, 26.7044, 21.4255 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, 67, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 123)  
}
```

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, 67, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 123) }
```

Border

The CSS property to change the border of an element to XYZ 46.8223, 26.7044, 21.4255 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, 67, 123) }
```


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

```
.border{ border-color:rgb(255, 67, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 67, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 67, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 67, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 67,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8223, 26.7044, 21.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 123) }
```

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

```
.background{ background-color: rgb(255, 67,  
123) }
```

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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