

Converting Colors

XYZ(46.8200, 26.7994, 21.1175)

Have a look what the booklet for
XYZ(46.8200, 26.7994, 21.1175)
contains.

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Color

**XYZ(46.8200, 26.7994,
21.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	FF447A
RGB	255, 68, 122
RGB Percent	100%, 27%, 48%
CMY	0.0000, 0.7333, 0.5216
CMYK	0.00, 0.73, 0.52, 0.00
HSL	343°, 100%, 63%
HSV	343°, 73%, 100%
XYZ	46.8200, 26.7994, 21.1175
YIQ	130.0690, 94.1180, 56.4380

Conversions

Conversions Part 2

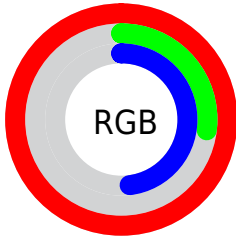
Format	Color
R_{YB}	255, 68, 122
Decimal	16729210
CIE _{Lab}	58.79, 72.52, 13.18
CIE _{LCh}	59, 73.707, 10.298
Yxy	26.7994, 0.4942, 0.2829
Android (android.graphics.Color)	4294919290 (0xFFFF447A)
YUV	130.0690, -3.9780, 109.5645
Hunter-Lab	51.7681, 70.8443, 12.0518

Details

The XYZ color **46.8200, 26.7994, 21.1175** 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 **48.6888, 76.9668, 67.5559**, and the grayscale version is **21.2347, 22.3406, 24.3289**.

A 20% lighter version of the original color is **56.8626, 40.2813, 44.8225**, and **22.9743, 11.7009, 7.5262** is the 20% darker color. If you saturate the color by 10%, you get **44.5779, 23.9492, 15.3334**, and if you desaturate by 10%, it is **49.9432, 31.0766, 28.2305**.

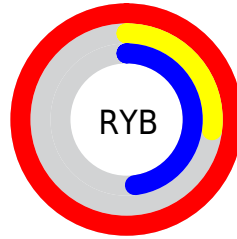
Distribution



Red (100%)

Green (27%)

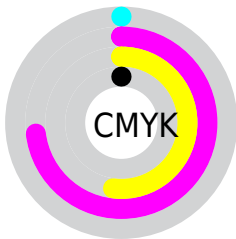
Blue (48%)



Red (100%)

Yellow (27%)

Blue (48%)

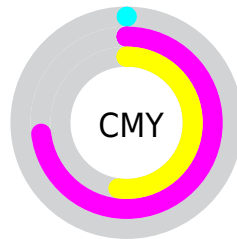


Cyan (0%)

Magenta (73%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8200, 26.7994, 21.1175 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 46.8200, 26.7994, 21.1175 by changing the saturation by 10% instead.


 46.8200, 26.7994,
21.1175


 46.8200, 26.7994,
21.1175


364.7565,
286.6845, 270.7038


 33.1007, 17.4226,
13.0178


 84.6653, 54.5618,
46.1663


 22.3632, 10.5363,
7.3100


 109.5220, 73.7162,
63.9526


 14.2421, 5.7559,
3.5753


 138.8218, 96.8986,
85.8048

 8.3721, 2.6973,
1.3954

 172.9303,
124.4934, 112.1415

 4.3878, 0.9758,
0.1381

 212.2126,
156.8850, 143.3812

 1.9238, 0.0000,
0.0000

257.0342,

 0.5906, 0.0000,

194.4578, 179.9424

0.0000

307.7604,
237.5962, 222.2438

■ 0.0000, 0.0000,
0.0000

■ 46.8200, 26.7994,
21.1175

■ 46.8200, 26.7994,
21.1175

■ 44.5779, 23.9492,
15.3334

■ 49.9432, 31.0766,
28.2305

■ 43.1092, 22.3287,
10.7840

■ 54.0336, 36.9349,
36.7536

■ 42.4633, 21.7493,
8.3724

■ 59.1685, 44.5132,
46.7624

■ 65.4166, 53.9341,
58.3263

■ 72.8408, 65.3088,
71.5103

81.4990, 78.7394,
86.3751

91.4451, 94.3213,
102.9787

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.



45.7163, 26.7994, 49.5091



46.8200, 26.7994, 21.1175



41.2568, 26.7994, 7.3068

Triad

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



46.8200, 26.7994, 21.1175



15.7604, 26.7994, 5.2361



20.0241, 26.7994, 106.1896

Complementary

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



46.8200, 26.7994, 21.1175



48.6888, 76.9668, 67.5559

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.



14.3349, 26.7994, 74.9827



46.8200, 26.7994, 21.1175



12.3095, 26.7994, 15.3526

Square

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



46.8200, 26.7994, 21.1175



22.4745, 26.7994, 2.4451



11.8586, 26.7994, 39.0707



28.7249, 26.7994, 111.2926

Rectangle

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



46.8200, 26.7994, 21.1175



35.1471, 26.7994, 3.7244



11.8586, 26.7994, 39.0707



17.7585, 26.7994, 97.7971

Sweetspot

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



46.8207, 26.8009, 21.1179



73.9187, 66.9721, 73.3866



43.6455, 23.4848, 96.8401



15.3556, 13.6162, 14.8946



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.



46.8207, 26.8009, 21.1179



43.8029, 23.0525, 13.0604



47.3772, 31.8644, 9.1244



18.2250, 18.0733, 19.8021



22.2436, 11.3867, 4.6674



2.2107, 1.1266, 0.6908

Inverse Universe

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



46.8207, 26.8009, 21.1179



43.8029, 23.0525, 13.0604



45.4032, 58.3862, 103.4841



18.2250, 18.0733, 19.8021



22.2436, 11.3867, 4.6674



2.2107, 1.1266, 0.6908

Previews

White Background



This preview shows how the XYZ color 46.8200, 26.7994, 21.1175 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 46.8200, 26.7994, 21.1175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

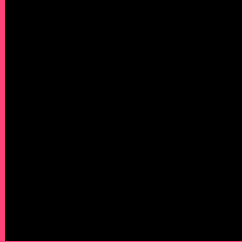
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.8200, 26.7994, 21.1175

Background



This preview shows how black text looks on a background with the XYZ color 46.8200, 26.7994, 21.1175.



This preview shows how white text looks on a background with the XYZ color 46.8200, 26.7994,

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

46.8200, 26.7994, 21.1175

Protanopia

26.5175, 27.0768, 37.0864

Deuteranopia

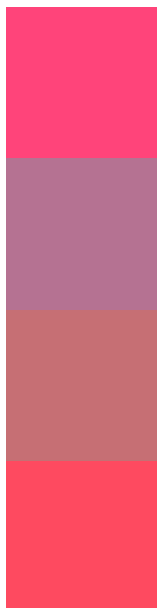
27.3018, 26.7999, 19.3567



Tritanopia

44.6471, 26.7845, 10.6013

Trichromacy



Original Color

46.8200, 26.7994, 21.1175

Protanomaly

30.2617, 23.9337, 30.2188

Deuteranomaly

32.1255, 24.6356, 19.5849

Tritanomaly

45.4332, 26.8129, 13.8471

Monochromacy



Original Color

46.8200, 26.7994, 21.1175

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 46.8200, 26.7994, 21.1175 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 122) }
```

Border

The CSS property to change the border of an element to XYZ 46.8200, 26.7994, 21.1175 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, 122) }
```


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

```
.border{ border-color:rgb(255, 68, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8200, 26.7994, 21.1175 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, 122) }
```

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

```
.background{ background-color: rgb(255, 68,  
122) }
```

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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