

Converting Colors

XYZ(46.2175, 25.4646, 21.4687)

Have a look what the booklet for
XYZ(46.2175, 25.4646, 21.4687)
contains.

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Color

**XYZ(46.2443, 25.4476,
21.5433)**

Conversions

Conversions Part 1

Format	Color
Hex	FF377C
RGB	255, 55, 124
RGB Percent	100%, 22%, 49%
CMY	0.0000, 0.7843, 0.5137
CMYK	0.00, 0.78, 0.51, 0.00
HSL	339°, 100%, 61%
HSV	339°, 78%, 100%
XYZ	46.2443, 25.4476, 21.5433
YIQ	122.6660, 97.0510, 63.8590

Conversions

Conversions Part 2

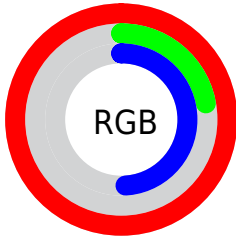
Format	Color
RYB	255, 55, 124
Decimal	16725884
CIELab	57.51, 76.41, 10.20
CIELCh	58, 77.086, 7.602
Yxy	25.4476, 0.4960, 0.2729
Android (android.graphics.Color)	4294915964 (0xFFFF377C)
YUV	122.6660, 0.6577, 116.0569
Hunter-Lab	50.4456, 75.3540, 9.9915

Details

The XYZ color **46.2443, 25.4476, 21.5433** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **46.2009, 75.8783, 58.6738**, and the grayscale version is **18.6946, 19.6682, 21.4187**.

A 20% lighter version of the original color is **55.9138, 38.0693, 45.4754**, and **23.0427, 11.7283, 7.8868** is the 20% darker color. If you saturate the color by 10%, you get **44.3615, 23.2320, 16.1380**, and if you desaturate by 10%, it is **48.9322, 28.9874, 28.1002**.

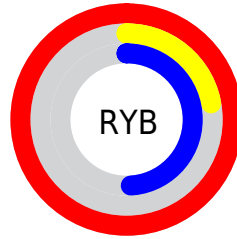
Distribution



Red (100%)

Green (22%)

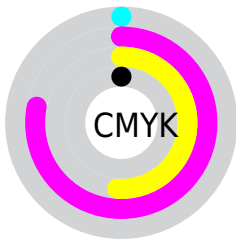
Blue (49%)



Red (100%)

Yellow (22%)

Blue (49%)

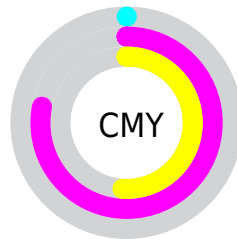


Cyan (0%)

Magenta (78%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (78%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2443, 25.4476, 21.5433 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 46.2443, 25.4476, 21.5433 by changing the saturation by 10% instead.


 46.2443, 25.4476,
21.5433


 46.2443, 25.4476,
21.5433


362.4894,
280.0597, 273.0272


 32.6441, 16.4108,
13.3266


 83.8101, 52.3824,
46.8825


 22.0119, 9.8153,
7.5205


 108.5064, 71.0493,
64.8420


 13.9823, 5.2767,
3.7063


 137.6322, 93.6950,
86.8863

 8.1900, 2.4105,
1.4657

 171.5527,
120.7039, 113.4338

 4.2696, 0.8313,
0.1922

 210.6333,
152.4605, 144.9031

 1.8557, 0.0000,
0.0000

255.2394,

 0.5509, 0.0000,

189.3490, 181.7128

0.0000

305.7363,
231.7540, 224.2813

■ 0.0000, 0.0000,
0.0000

■ 46.2443, 25.4476,
21.5433

■ 46.2443, 25.4476,
21.5433

■ 44.3615, 23.2320,
16.1380

■ 48.9322, 28.9874,
28.1002

■ 43.1543, 22.0954,
11.7961

■ 52.5163, 34.0196,
35.8797

■ 42.9998, 21.9639,
11.1974

■ 57.0765, 40.6918,
44.9475

■ 62.6832, 49.1327,
55.3636

■ 69.3997, 59.4579,
67.1836

■ 77.2844, 71.7733,
80.4599

■ 86.3912, 86.1767,
95.2421

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.



44.4554, 25.4476, 51.7819



46.2443, 25.4476, 21.5433



41.0424, 25.4476, 6.8914

Triad

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



46.2443, 25.4476, 21.5433



14.9354, 25.4476, 3.8540



18.0649, 25.4476, 105.6651

Complementary

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



46.2443, 25.4476, 21.5433



46.2009, 75.8783, 58.6738

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.



12.7236, 25.4476, 71.4225



46.2443, 25.4476, 21.5433



11.2616, 25.4476, 12.5635

Square

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



46.2443, 25.4476, 21.5433



21.9261, 25.4476, 1.7354



10.5695, 25.4476, 34.9493



26.5986, 25.4476, 114.1054

Rectangle

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



46.2443, 25.4476, 21.5433



34.9323, 25.4476, 3.1895



10.5695, 25.4476, 34.9493



15.9080, 25.4476, 96.0723

Sweetspot

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



46.2450, 25.4491, 21.5437



72.7416, 64.6563, 72.8760



39.4258, 20.2688, 96.4418



14.9899, 12.9366, 14.6126



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.



46.2450, 25.4491, 21.5437



43.6190, 22.4917, 13.5938



45.1794, 28.0351, 6.6465



18.2680, 18.0905, 20.0284



22.5313, 11.5018, 6.1824



2.2429, 1.1395, 0.8603

Inverse Universe

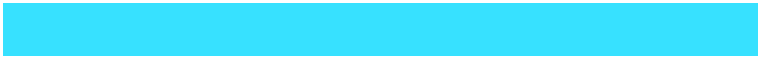
The Inverse Universe completely reimagines the original color for something new.



46.2450, 25.4491, 21.5437



43.6190, 22.4917, 13.5938



46.5522, 61.8842, 104.0988



18.2680, 18.0905, 20.0284



22.5313, 11.5018, 6.1824



2.2429, 1.1395, 0.8603

Previews

White Background



This preview shows how the XYZ color 46.2443, 25.4476, 21.5433 looks on a white background.

Color Contrast Check

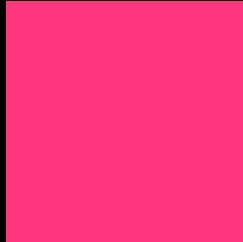
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2443, 25.4476, 21.5433 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 46.2443, 25.4476, 21.5433

Background



This preview shows how black text looks on a background with the XYZ color 46.2443, 25.4476, 21.5433.



This preview shows how white text looks on a background with the XYZ color 46.2443, 25.4476,

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

46.2443, 25.4476, 21.5433

Protanopia

25.5293, 25.6240, 40.6462

Deuteranopia

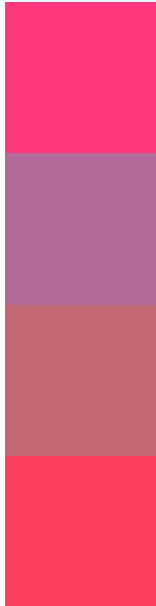
25.9220, 25.4635, 19.4683



Tritanopia

43.4427, 25.4196, 8.7477

Trichromacy



Original Color

46.2443, 25.4476, 21.5433

Protanomaly

29.0567, 22.1295, 32.4457

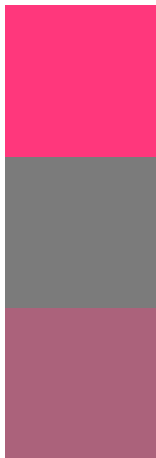
Deuteranomaly

30.8273, 23.0133, 19.9568

Tritanomaly

44.2297, 25.3048, 12.4507

Monochromacy



Original Color

46.2443, 25.4476, 21.5433

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

24.7374, 18.8234, 21.0684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2443, 25.4476, 21.5433 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, 55, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 124)  
}
```

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, 55, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 124) }
```

Border

The CSS property to change the border of an element to XYZ 46.2443, 25.4476, 21.5433 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, 55, 124) }
```


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

```
.border{ border-color:rgb(255, 55, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2443, 25.4476, 21.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 124) }
```

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

```
.background{ background-color: rgb(255, 55,  
124) }
```

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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