

Converting Colors

XYZ(61.9700, 33.5110, 23.1105)

Have a look what the booklet for
XYZ(61.9700, 33.5110, 23.1105)
contains.

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Color

**XYZ(46.4370, 25.5247,
22.5579)**

Conversions

Conversions Part 1

Format	Color
Hex	FF377F
RGB	255, 55, 127
RGB Percent	100%, 22%, 50%
CMY	0.0000, 0.7843, 0.5020
CMYK	0.00, 0.78, 0.50, 0.00
HSL	338°, 100%, 61%
HSV	338°, 78%, 100%
XYZ	46.4370, 25.5247, 22.5579
YIQ	123.0080, 96.0880, 64.7920

Conversions

Conversions Part 2

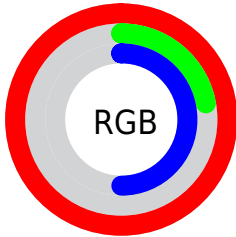
Format	Color
R_{YB}	255, 55, 127
Decimal	16725887
CIE _{Lab}	57.58, 76.63, 8.52
CIE _{LCh}	58, 77.107, 6.347
Yxy	25.5247, 0.4913, 0.2700
Android (android.graphics.Color)	4294915967 (0xFFFF377F)
YUV	123.0080, 1.9681, 115.7570
Hunter-Lab	50.5220, 75.6539, 8.8926

Details

The XYZ color **46.4370, 25.5247, 22.5579** 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 **45.8852, 75.7521, 57.0114**, and the grayscale version is **18.8032, 19.7825, 21.5431**.

A 20% lighter version of the original color is **56.2141, 38.1894, 47.0563**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **44.5436, 23.3048, 17.0970**, and if you desaturate by 10%, it is **49.1288, 29.0661, 29.1355**.

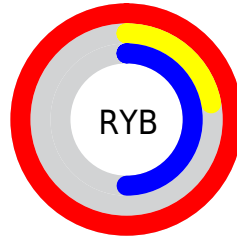
Distribution



Red (100%)

Green (22%)

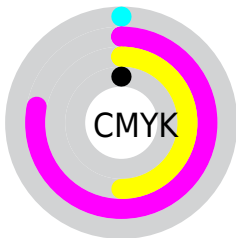
Blue (50%)



Red (100%)

Yellow (22%)

Blue (50%)

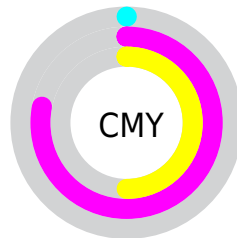


Cyan (0%)

Magenta (78%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4370, 25.5247, 22.5579 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 46.4370, 25.5247, 22.5579 by changing the saturation by 10% instead.

 46.4370, 25.5247,
22.5579


 46.4370, 25.5247,
22.5579


363.2493,
280.4410, 278.4940


 32.7969, 16.4684,
14.0652


 84.0965, 52.5072,
48.5803


 22.1294, 9.8562,
8.0267


 108.8466, 71.2021,
66.9471


 14.0691, 5.3037,
4.0240


 138.0307, 93.8788,
89.4424

 8.2508, 2.4265,
1.6385

 172.0142,
120.9215, 116.4846

 4.3090, 0.8395,
0.3181

 211.1625,
152.7147, 148.4923

 1.8784, 0.0000,
0.0000

255.8409,

 0.5642, 0.0000,

189.6427, 185.8841

0.0000

306.4147,
232.0900, 229.0785

■ 0.0000, 0.0000,
0.0000

■ 46.4370, 25.5247,
22.5579

■ 46.4370, 25.5247,
22.5579

■ 44.5436, 23.3048,
17.0970

■ 49.1288, 29.0661,
29.1355

■ 43.3200, 22.1617,
12.6685

■ 52.7096, 34.0969,
36.8974

■ 43.1624, 22.0290,
12.0536

■ 57.2586, 40.7647,
45.9062

■ 62.8457, 49.1978,
56.2189

■ 69.5337, 59.5116,
67.8886

■ 77.3804, 71.8118,
80.9652

■ 86.4395, 86.1961,
95.4959

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.



44.3450, 25.5247, 53.4821



46.4370, 25.5247, 22.5579



41.4845, 25.5247, 7.2782

Triad

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



46.4370, 25.5247, 22.5579



15.2122, 25.5247, 3.6970



17.8317, 25.5247, 104.8453

Complementary

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



46.4370, 25.5247, 22.5579



45.8852, 75.7521, 57.0114

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.



12.6176, 25.5247, 69.9426



46.4370, 25.5247, 22.5579



11.3943, 25.5247, 12.0163

Square

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



46.4370, 25.5247, 22.5579



22.3565, 25.5247, 1.7252



10.5818, 25.5247, 33.7790



26.2696, 25.5247, 114.7024

Rectangle

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



46.4370, 25.5247, 22.5579



35.4459, 25.5247, 3.3521



10.5818, 25.5247, 33.7790



15.7169, 25.5247, 94.9126

Sweetspot

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



46.4377, 25.5262, 22.5583



72.8599, 64.7036, 73.4988



38.6310, 19.8591, 96.4047



15.0179, 12.9478, 14.7602



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.



46.4377, 25.5262, 22.5583



43.7926, 22.5612, 14.5081



44.9232, 27.5225, 6.5611



18.2795, 18.0951, 20.0891



22.6180, 11.5365, 6.6390



2.2523, 1.1433, 0.9098

Inverse Universe

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



46.4377, 25.5262, 22.5583



43.7926, 22.5612, 14.5081



47.4621, 63.7041, 104.4022



18.2795, 18.0951, 20.0891



22.6180, 11.5365, 6.6390



2.2523, 1.1433, 0.9098

Previews

White Background



This preview shows how the XYZ color 46.4370, 25.5247, 22.5579 looks on a white background.

Color Contrast Check

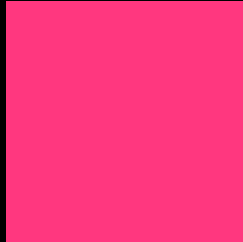
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4370, 25.5247, 22.5579 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 46.4370, 25.5247, 22.5579

Background



This preview shows how black text looks on a background with the XYZ color 46.4370, 25.5247, 22.5579.



This preview shows how white text looks on a background with the XYZ color 46.4370, 25.5247,

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

46.4370, 25.5247, 22.5579

Protanopia

25.5980, 25.6157, 42.6249

Deuteranopia

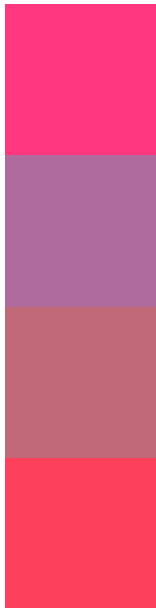
25.8965, 25.4303, 20.3733



Tritanopia

43.5047, 25.5436, 8.7684

Trichromacy



Original Color

46.4370, 25.5247, 22.5579

Protanomaly

28.9376, 22.0297, 34.1795

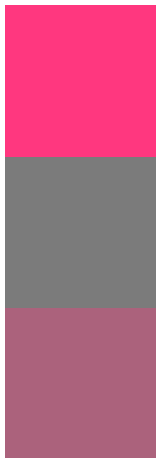
Deuteranomaly

30.7509, 22.9530, 20.8988

Tritanomaly

44.3301, 25.4359, 12.6984

Monochromacy



Original Color

46.4370, 25.5247, 22.5579

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

24.8004, 18.8485, 21.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4370, 25.5247, 22.5579 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 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, 55, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 127) }
```

Border

The CSS property to change the border of an element to XYZ 46.4370, 25.5247, 22.5579 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, 127) }
```


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

```
.border{ border-color:rgb(255, 55, 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, 55, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4370, 25.5247, 22.5579 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, 127) }
```

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

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