

Converting Colors

XYZ(46.2590, 25.1617, 22.5204)

Have a look what the booklet for
XYZ(46.2590, 25.1617, 22.5204)
contains.

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Color

**XYZ(46.2546, 25.1600,
22.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	FF337F
RGB	255, 51, 127
RGB Percent	100%, 20%, 50%
CMY	0.0000, 0.7999, 0.5020
CMYK	0.00, 0.80, 0.50, 0.00
HSL	338°, 100%, 60%
HSV	338°, 80%, 100%
XYZ	46.2546, 25.1600, 22.4971
YIQ	120.6600, 97.1880, 66.8840

Conversions

Conversions Part 2

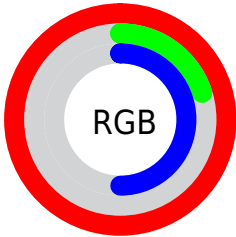
Format	Color
R_{YB}	255, 51, 127
Decimal	16724863
CIE _{Lab}	57.23, 77.64, 8.02
CIE _{LCh}	57, 78.049, 5.901
Yxy	25.1600, 0.4925, 0.2679
Android (android.graphics.Color)	4294914943 (0xFFFF337F)
YUV	120.6600, 3.1256, 117.8162
Hunter-Lab	50.1597, 76.8235, 8.5197

Details

The XYZ color **46.2546, 25.1600, 22.4971** 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 **45.2645, 75.4794, 54.8403**, and the grayscale version is **18.0353, 18.9745, 20.6633**.

A 20% lighter version of the original color is **55.8551, 37.4715, 46.9367**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **44.4678, 23.1252, 17.1585**, and if you desaturate by 10%, it is **48.8182, 28.4837, 28.9121**.

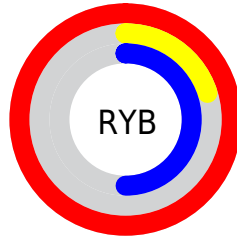
Distribution



Red (100%)

Green (20%)

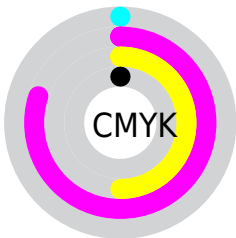
Blue (50%)



Red (100%)

Yellow (20%)

Blue (50%)

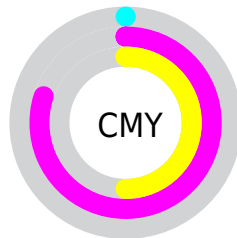


Cyan (0%)

Magenta (80%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2546, 25.1600, 22.4971 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 46.2546, 25.1600, 22.4971 by changing the saturation by 10% instead.


 46.2546, 25.1600,
22.4971

 46.2546, 25.1600,
22.4971


362.5301,
278.6338, 278.1691


 32.6522, 16.1963,
14.0208


 83.8254, 51.9167,
48.4789


 22.0181, 9.6632,
7.9962


 108.5246, 70.4784,
66.8215


 13.9869, 5.1762,
4.0048


 137.6535, 93.0083,
89.2900

 8.1932, 2.3510,
1.6280

 171.5774,
119.8908, 116.3029

 4.2717, 0.8005,
0.3107

 210.6616,
151.5102, 148.2787

 1.8569, 0.0000,
0.0000

255.2716,

 0.5516, 0.0000,

188.2509, 185.6359

0.0000

305.7726,
230.4973, 228.7932

■ 0.0000, 0.0000,
0.0000

■ 46.2546, 25.1600,
22.4971

■ 46.2546, 25.1600,
22.4971

■ 44.4678, 23.1252,
17.1585

■ 48.8182, 28.4837,
28.9121

■ 43.3055, 22.0865,
12.8066

■ 52.2513, 33.2695,
36.4699

■ 43.3048, 22.0859,
12.8038

■ 56.6346, 39.6681,
45.2314

■ 62.0386, 47.8101,
55.2519

■ 68.5268, 57.8125,
66.5831

■ 76.1573, 69.7823,
79.2733

■ 84.9840, 83.8181,
93.3682

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.



44.0367, 25.1600, 53.8156



46.2546, 25.1600, 22.4971



41.3533, 25.1600, 7.0984

Triad

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



46.2546, 25.1600, 22.4971



14.9473, 25.1600, 3.4094



17.3773, 25.1600, 104.8610

Complementary

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



46.2546, 25.1600, 22.4971



45.2645, 75.4794, 54.8403

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.



12.2304, 25.1600, 69.2880



46.2546, 25.1600, 22.4971



11.1009, 25.1600, 11.4463

Square

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



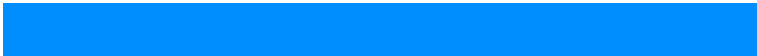
46.2546, 25.1600, 22.4971



22.1362, 25.1600, 1.5647



10.2528, 25.1600, 32.9566



25.7842, 25.1600, 115.3706

Rectangle

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



46.2546, 25.1600, 22.4971



35.3012, 25.1600, 3.1861



10.2528, 25.1600, 32.9566



15.2837, 25.1600, 94.6717

Sweetspot

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



46.2553, 25.1615, 22.4975



72.9593, 64.7434, 74.0223



37.3220, 18.9136, 96.2910



15.0415, 12.9573, 14.8844



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.



46.2553, 25.1615, 22.4975



43.7187, 22.4286, 14.4365



44.3414, 26.5063, 5.9132



18.2892, 18.0990, 20.1399



22.6938, 11.5668, 7.0382



2.2604, 1.1465, 0.9526

Inverse Universe

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



46.2553, 25.1615, 22.4975



43.7187, 22.4286, 14.4365



48.0485, 65.1891, 104.6577



18.2892, 18.0990, 20.1399



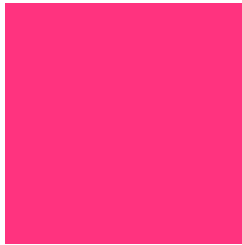
22.6938, 11.5668, 7.0382



2.2604, 1.1465, 0.9526

Previews

White Background



This preview shows how the XYZ color 46.2546, 25.1600, 22.4971 looks on a white background.

Color Contrast Check

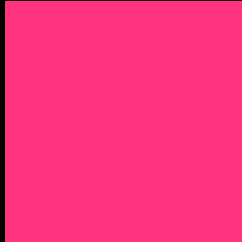
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2546, 25.1600, 22.4971 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 46.2546, 25.1600, 22.4971

Background



This preview shows how black text looks on a background with the XYZ color 46.2546, 25.1600, 22.4971.



This preview shows how white text looks on a background with the XYZ color 46.2546, 25.1600,

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

46.2546, 25.1600, 22.4971

Protanopia

25.4002, 25.2926, 43.0784

Deuteranopia

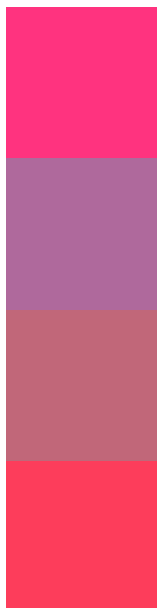
25.5627, 25.0560, 20.3186



Tritanopia

43.2575, 25.1520, 8.3692

Trichromacy



Original Color

46.2546, 25.1600, 22.4971

Protanomaly

28.7315, 21.6174, 34.1107

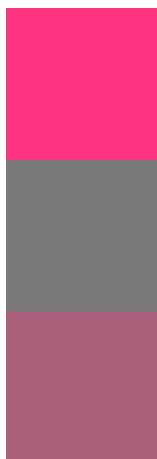
Deuteranomaly

30.2938, 22.4184, 20.8197

Tritanomaly

44.0651, 24.9755, 12.3958

Monochromacy



Original Color

46.2546, 25.1600, 22.4971

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

24.3356, 18.3419, 20.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2546, 25.1600, 22.4971 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, 51, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 127) }
```

Border

The CSS property to change the border of an element to XYZ 46.2546, 25.1600, 22.4971 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, 51, 127) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 127); box-shadow:4px 4px 4px 4px rgb(255, 51, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2546, 25.1600, 22.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 127) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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