

Converting Colors

XYZ(45.4405, 23.5160, 22.2754)

Have a look what the booklet for
XYZ(45.4405, 23.5160, 22.2754)
contains.

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Color

**XYZ(45.4402, 23.5311,
22.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1A7F
RGB	255, 26, 127
RGB Percent	100%, 10%, 50%
CMY	0.0000, 0.8979, 0.5020
CMYK	0.00, 0.90, 0.50, 0.00
HSL	334°, 100%, 55%
HSV	334°, 90%, 100%
XYZ	45.4402, 23.5311, 22.2257
YIQ	105.9850, 104.0630, 79.9590

Conversions

Conversions Part 2

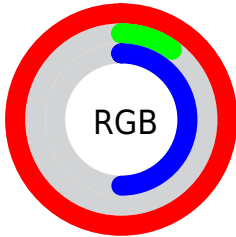
Format	Color
R_{YB}	255, 26, 127
Decimal	16718463
CIE _{Lab}	55.62, 82.28, 5.72
CIE _{LCh}	56, 82.476, 3.974
Yxy	23.5311, 0.4983, 0.2580
Android (android.graphics.Color)	4294908543 (0xFFFF1A7F)
YUV	105.9850, 10.3604, 130.6862
Hunter-Lab	48.5089, 82.3176, 6.7908

Details

The XYZ color **45.4402, 23.5311, 22.2257** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **42.0221, 74.0740, 42.6686**, and the grayscale version is **13.6526, 14.3637, 15.6420**.

A 20% lighter version of the original color is **54.5307, 34.8227, 46.4952**, and **22.8610, 11.6264, 8.2469** is the 20% darker color. If you saturate the color by 10%, you get **44.2120, 22.4580, 17.5523**, and if you desaturate by 10%, it is **47.2739, 25.6051, 27.7498**.

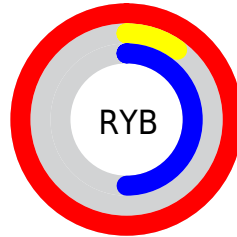
Distribution



Red (100%)

Green (10%)

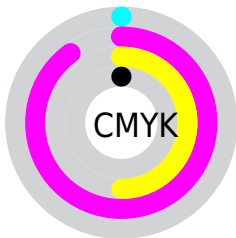
Blue (50%)



Red (100%)

Yellow (10%)

Blue (50%)

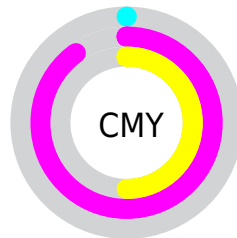


Cyan (0%)

Magenta (90%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4402, 23.5311, 22.2257 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 45.4402, 23.5311, 22.2257 by changing the saturation by 10% instead.


 45.4402, 23.5311,
22.2257


 45.4402, 23.5311,
22.2257


359.3072,
270.4412, 276.7145


 32.0071, 14.9862,
13.8229


 82.6136, 49.2639,
48.0257


 21.5225, 8.8097,
7.8603


 107.0845, 67.2206,
66.2600


 13.6211, 4.6172,
3.9192


 135.9655, 89.0833,
88.6086

 7.9375, 2.0245,
1.5811

 169.6217,
115.2365, 115.4900

 4.1065, 0.6216,
0.2773

 208.4187,
146.0644, 147.3228

 1.7625, 0.0000,
0.0000

252.7217,

 0.4949, 0.0000,

181.9516, 184.5254

0.0000

302.8961,
223.2824, 227.5165

■ 0.0000, 0.0000,
0.0000

■ 45.4402, 23.5311,
22.2257

■ 45.4402, 23.5311,
22.2257

■ 44.2120, 22.4580,
17.5523

■ 47.2739, 25.6051,
27.7498

■ 44.1895, 22.4398,
17.4625

■ 49.8555, 28.9560,
34.1972

■ 53.2774, 33.7611,
41.6228

■ 57.6173, 40.1683,
50.0756

■ 62.9434, 48.3071,
59.6002

■ 69.3174, 58.2935,
70.2380

■ 76.7952, 70.2334,
82.0279

■ 85.4292, 84.2249,
95.0066

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.



42.6521, 23.5311, 55.3977



45.4402, 23.5311, 22.2257



40.7701, 23.5311, 6.3075

Triad

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



45.4402, 23.5311, 22.2257



13.7690, 23.5311, 2.2740



15.3855, 23.5311, 104.9895

Complementary

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



45.4402, 23.5311, 22.2257



42.0221, 74.0740, 42.6686

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.



10.5495, 23.5311, 66.3536



45.4402, 23.5311, 22.2257



9.8145, 23.5311, 9.0509

Square

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



45.4402, 23.5311, 22.2257



21.1462, 23.5311, 0.9515



8.8248, 23.5311, 29.3464



23.6310, 23.5311, 118.5513

Rectangle

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



45.4402, 23.5311, 22.2257



34.6535, 23.5311, 2.4904



8.8248, 23.5311, 29.3464



13.3917, 23.5311, 93.6146

Sweetspot

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



45.4408, 23.5325, 22.2261



71.2914, 61.4254, 73.4114



31.3623, 14.6322, 95.7788



14.7450, 12.3320, 14.8848



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.



45.4408, 23.5325, 22.2261



44.1896, 22.4399, 17.4625



42.1034, 22.6879, 3.1393



18.3421, 18.1202, 20.4188



23.1622, 11.7542, 9.5046



2.3091, 1.1660, 1.2090

Inverse Universe

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



45.4408, 23.5325, 22.2261



44.1896, 22.4399, 17.4625



50.6926, 71.8717, 105.8084



18.3421, 18.1202, 20.4188



23.1622, 11.7542, 9.5046



2.3091, 1.1660, 1.2090

Previews

White Background



This preview shows how the XYZ color 45.4402, 23.5311, 22.2257 looks on a white background.

Color Contrast Check

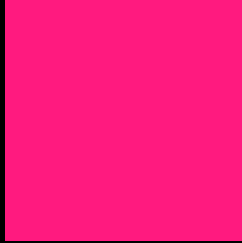
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4402, 23.5311, 22.2257 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 45.4402, 23.5311, 22.2257

Background



This preview shows how black text looks on a background with the XYZ color 45.4402, 23.5311, 22.2257.



This preview shows how white text looks on a background with the XYZ color 45.4402, 23.5311,

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

45.4402, 23.5311, 22.2257

Protanopia

24.3375, 23.8318, 47.0333

Deuteranopia

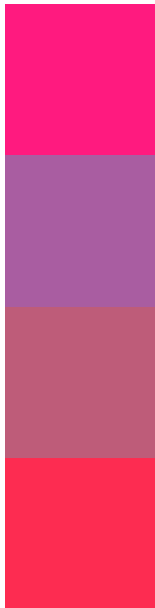
24.1980, 23.7572, 20.1398



Tritanopia

42.2007, 23.7037, 5.9655

Trichromacy



Original Color

45.4402, 23.5311, 22.2257

Protanomaly

26.7096, 18.8369, 35.9464

Deuteranomaly

28.5135, 19.9819, 20.4432

Tritanomaly

42.8939, 23.2781, 10.0169

Monochromacy



Original Color

45.4402, 23.5311, 22.2257

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

20.1883, 13.9962, 17.5571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4402, 23.5311, 22.2257 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, 26, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 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, 26, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 127) }
```

Border

The CSS property to change the border of an element to XYZ 45.4402, 23.5311, 22.2257 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, 26, 127) }
```


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

```
.border{ border-color:rgb(255, 26, 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, 26, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4402, 23.5311, 22.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 127) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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