

Converting Colors

XYZ(45.2624, 22.9429, 22.8837)

Have a look what the booklet for
XYZ(45.2624, 22.9429, 22.8837)
contains.

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Color

**XYZ(45.2459, 22.9318,
22.8104)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0481
RGB	255, 4, 129
RGB Percent	100%, 2%, 51%
CMY	0.0000, 0.9841, 0.4941
CMYK	0.00, 0.98, 0.49, 0.00
HSL	330°, 100%, 51%
HSV	330°, 98%, 100%
XYZ	45.2459, 22.9318, 22.8104
YIQ	93.2990, 109.4710, 92.0870

Conversions

Conversions Part 2

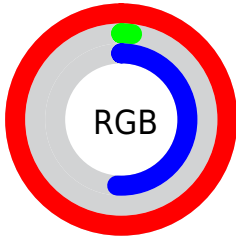
Format	Color
RYB	255, 4, 129
Decimal	16712833
CIELab	55.00, 84.36, 3.63
CIElCh	55, 84.441, 2.467
Yxy	22.9318, 0.4973, 0.2520
Android (android.graphics.Color)	4294902913 (0xFFFF0481)
YUV	93.2990, 17.6006, 141.8118
Hunter-Lab	47.8872, 84.8521, 5.2790

Details

The XYZ color **45.2459, 22.9318, 22.8104** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **39.8443, 73.1595, 33.1626**, and the grayscale version is **10.4248, 10.9677, 11.9438**.

A 20% lighter version of the original color is **54.2407, 33.7517, 47.9119**, and **22.9338, 11.6556, 8.6304** is the 20% darker color. If you saturate the color by 10%, you get **45.0681, 22.7912, 22.0887**, and if you desaturate by 10%, it is **46.5610, 24.1137, 27.7146**.

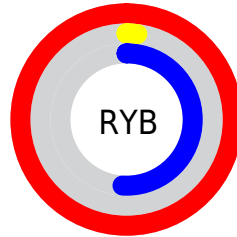
Distribution



Red (100%)

Green (2%)

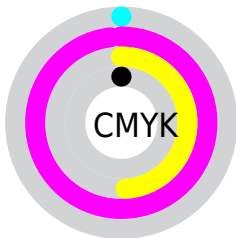
Blue (51%)



Red (100%)

Yellow (2%)

Blue (51%)

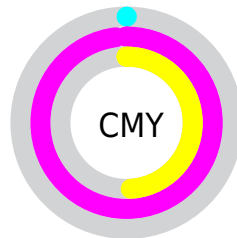


Cyan (0%)

Magenta (98%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2459, 22.9318, 22.8104 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 45.2459, 22.9318, 22.8104 by changing the saturation by 10% instead.

 45.2459, 22.9318,
22.8104

 45.2459, 22.9318,
22.8104


358.5355,
267.3745, 279.8400


 31.8533, 14.5432,
14.2496


 82.3241, 48.2813,
49.0011


 21.4044, 8.4994,
8.1537


 106.7403, 66.0110,
67.4680

 13.5341, 4.4161,
4.1043


 135.5618, 87.6231,
90.0740

 7.8769, 1.9090,
1.6827

 169.1539,
113.5021, 117.2377

 4.0674, 0.5538,
0.3489

 207.8820,
144.0323, 149.3776

 1.7403, 0.0000,
0.0000

252.1114,

 0.4813, 0.0000,

179.5982, 186.9123

0.0000

302.2074,
220.5842, 230.2602

■ 0.0000, 0.0000,
0.0000

■ 45.2459, 22.9318,
22.8104

■ 45.2459, 22.9318,
22.8104

■ 45.0681, 22.7912,
22.0887

■ 46.5610, 24.1137,
27.7146

■ 48.4927, 26.3518,
33.3687

■ 51.1633, 29.8855,
39.8312

■ 54.6608, 34.8853,
47.1482

■ 59.0601, 41.4956,
55.3606

■ 64.4269, 49.8432,
64.5057

■ 70.8209, 60.0422,
74.6182

■ 78.2963, 72.1968,
85.7306

■ 86.9037, 86.4035,
97.8734

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0275, 22.9318, 57.2791



45.2459, 22.9318, 22.8104



40.8360, 22.9318, 6.2350

Triad

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



45.2459, 22.9318, 22.8104



13.4748, 22.9318, 1.8239



14.4746, 22.9318, 104.5247

Complementary

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



45.2459, 22.9318, 22.8104



39.8443, 73.1595, 33.1626

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.



9.8428, 22.9318, 64.2434



45.2459, 22.9318, 22.8104



9.3928, 22.9318, 7.8905

Square

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



45.2459, 22.9318, 22.8104



21.0287, 22.9318, 0.7318



8.2834, 22.9318, 27.2593



22.5817, 22.9318, 120.3369

Rectangle

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



45.2459, 22.9318, 22.8104



34.7383, 22.9318, 2.3211



8.2834, 22.9318, 27.2593



12.5488, 22.9318, 92.4417

Sweetspot

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



45.2465, 22.9332, 22.8107



69.7309, 58.2885, 72.9406



27.2283, 12.0171, 95.4920



14.3360, 11.5336, 14.6882



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.



45.2465, 22.9332, 22.8107



45.0681, 22.7913, 22.0887



41.3063, 21.3571, 2.0619



18.3865, 18.1379, 20.6526



23.6244, 11.9390, 11.9383



2.3553, 1.1845, 1.4525

Inverse Universe

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



45.2465, 22.9332, 22.8107



45.0681, 22.7913, 22.0887



53.8608, 78.7661, 106.9722



18.3865, 18.1379, 20.6526



23.6244, 11.9390, 11.9383



2.3553, 1.1845, 1.4525

Previews

White Background



This preview shows how the XYZ color 45.2459, 22.9318, 22.8104 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 45.2459, 22.9318, 22.8104 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 45.2459, 22.9318, 22.8104

Background



This preview shows how black text looks on a background with the XYZ color 45.2459, 22.9318, 22.8104.



This preview shows how white text looks on a background with the XYZ color 45.2459, 22.9318,

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

45.2459, 22.9318, 22.8104

Protanopia

24.1817, 23.4908, 49.7140

Deuteranopia

23.7517, 23.3257, 20.3900



Tritanopia

41.5650, 23.1159, 5.4031

Trichromacy



Original Color

45.2459, 22.9318, 22.8104



Protanomaly

25.9764, 17.4291, 37.5924



Deuteranomaly

27.5924, 18.4105, 20.5117



Tritanomaly

42.1282, 22.4040, 9.5011

Monochromacy



Original Color

45.2459, 22.9318, 22.8104



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2192, 11.0535, 14.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2459, 22.9318, 22.8104 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, 4, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 4, 129)  
}
```

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, 4, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 4, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.2459, 22.9318, 22.8104 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, 4, 129) }
```


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

```
.border{ border-color:rgb(255, 4, 129) }
```

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

Here you see how a box with a 4 pixel rgb(255, 4, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 4, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 4, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 4,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2459, 22.9318, 22.8104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 129) }
```

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

```
.background{ background-color: rgb(255, 4,  
129) }
```

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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