

Converting Colors

XYZ(46.0153, 21.5349, 23.9901)

Have a look what the booklet for
XYZ(46.0153, 21.5349, 23.9901)
contains.

XYZ(45.4736, 22.9535, 24.2240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.4736, 22.9535,
24.2240)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0085
RGB	255, 0, 133
RGB Percent	100%, 0%, 52%
CMY	0.0000, 0.9997, 0.4784
CMYK	0.00, 1.00, 0.48, 0.00
HSL	329°, 100%, 50%
HSV	329°, 100%, 100%
XYZ	45.4736, 22.9535, 24.2240
YIQ	91.4070, 109.2870, 95.4230

Conversions

Conversions Part 2

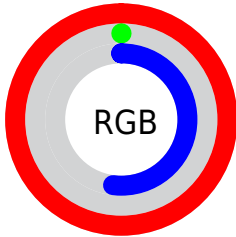
Format	Color
R_YB	255, 0, 133
Decimal	16711813
CIE _{Lab}	55.02, 84.92, 1.27
CIE _{LCh}	55, 84.930, 0.856
Yxy	22.9535, 0.4908, 0.2477
Android (android.graphics.Color)	4294901893 (0xFFFF0085)
YUV	91.4070, 20.5053, 143.4711
Hunter-Lab	47.9098, 85.5811, 3.5589

Details

The XYZ color **45.4736, 22.9535, 24.2240** 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 **39.2778, 72.9270, 30.4408**, and the grayscale version is **9.9826, 10.5025, 11.4372**.

A 20% lighter version of the original color is **54.6601, 33.9195, 50.1206**, and **23.0861, 11.7165, 9.4322** is the 20% darker color. If you saturate the color by 10%, you get **45.4712, 22.9524, 24.2120**, and if you desaturate by 10%, it is **46.7263, 24.0304, 29.0460**.

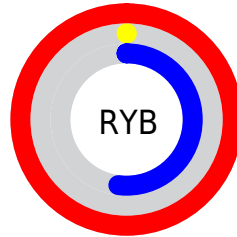
Distribution



Red (100%)

Green (0%)

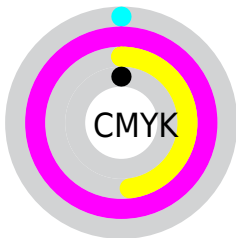
Blue (52%)



Red (100%)

Yellow (0%)

Blue (52%)

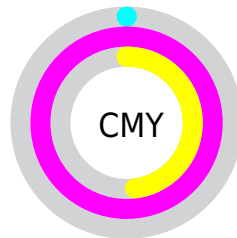


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4736, 22.9535, 24.2240 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 45.4736, 22.9535, 24.2240 by changing the saturation by 10% instead.

 45.4736, 22.9535,
24.2240


 45.4736, 22.9535,
24.2240

359.4398,
267.4861, 287.2739


 32.0335, 14.5592,
15.2861


 82.6633, 48.3170,
51.3439


 21.5428, 8.5106,
8.8716


 107.1437, 66.0549,
70.3630


 13.6360, 4.4234,
4.5619


 136.0348, 87.6761,
93.5796

 7.9480, 1.9131,
1.9384

 169.7021,
113.5651, 121.4122

 4.1132, 0.5562,
0.5170

 208.5109,
144.1062, 154.2795

 1.7664, 0.0000,
0.0000

252.8265,

 0.4973, 0.0000,

179.6838, 192.5998

0.0000

303.0144,
220.6823, 236.7918

■ 0.0000, 0.0000,
0.0000

■ 45.4736, 22.9535,
24.2240

■ 45.4736, 22.9535,
24.2240

■ 45.4712, 22.9524,
24.2120

■ 46.7263, 24.0304,
29.0460

■ 48.5473, 26.0818,
34.5562

■ 51.0825, 29.3951,
40.8185

■ 54.4222, 34.1459,
47.8772

■ 58.6423, 40.4818,
55.7716

■ 63.8096, 48.5318,
64.5370

■ 69.9839, 58.4117,
74.2062

■ 77.2201, 70.2268,
84.8099

■ 85.5686, 84.0745,
96.3770

Harmonies

Analogous

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



41.8279, 22.9535, 59.8348



45.4736, 22.9535, 24.2240



41.4109, 22.9535, 6.6843

Triad

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



45.4736, 22.9535, 24.2240



13.7664, 22.9535, 1.6554



14.1147, 22.9535, 103.4764

Complementary

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



45.4736, 22.9535, 24.2240



39.2778, 72.9270, 30.4408

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.



9.6468, 22.9535, 62.2741



45.4736, 22.9535, 24.2240



9.4903, 22.9535, 7.2583

Square

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



45.4736, 22.9535, 24.2240



21.5466, 22.9535, 0.6956



8.2318, 22.9535, 25.7770



22.0889, 22.9535, 121.3803

Rectangle

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



45.4736, 22.9535, 24.2240



35.4035, 22.9535, 2.4663



8.2318, 22.9535, 25.7770



12.2446, 22.9535, 90.9048

Sweetspot

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



45.4742, 22.9549, 24.2243



69.9661, 58.3825, 74.1790



25.6635, 11.1460, 95.4061



14.3916, 11.5559, 14.9810



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.



45.4742, 22.9549, 24.2243



45.4714, 22.9526, 24.2122



41.2875, 21.2802, 2.1774



18.4050, 18.1453, 20.7499



23.8358, 12.0236, 13.0516



2.3760, 1.1928, 1.5617

Inverse Universe

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



45.4742, 22.9549, 24.2243



45.4714, 22.9526, 24.2122



52.4724, 78.2048, 99.9226



18.4050, 18.1453, 20.7499



23.8358, 12.0236, 13.0516



2.3760, 1.1928, 1.5617

Previews

White Background



This preview shows how the XYZ color 45.4736, 22.9535, 24.2240 looks on a white background.

Color Contrast Check

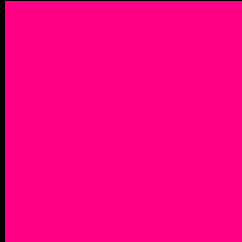
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4736, 22.9535, 24.2240 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 45.4736, 22.9535, 24.2240

Background



This preview shows how black text looks on a background with the XYZ color 45.4736, 22.9535, 24.2240.



This preview shows how white text looks on a background with the XYZ color 45.4736, 22.9535,

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

45.4736, 22.9535, 24.2240

Protanopia

24.5702, 23.6158, 53.1325

Deuteranopia

23.8097, 23.3275, 21.6601



Tritanopia

41.6994, 23.3125, 5.6701

Trichromacy



Original Color

45.4736, 22.9535, 24.2240



Protanomaly

25.9610, 17.1261, 40.4655



Deuteranomaly

27.4474, 18.0826, 21.7823



Tritanomaly

42.2399, 22.4487, 10.0894

Monochromacy



Original Color

45.4736, 22.9535, 24.2240



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.8771, 10.6460, 14.8010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4736, 22.9535, 24.2240 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, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 133)  
}
```

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, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 45.4736, 22.9535, 24.2240 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, 0, 133) }
```


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

```
.border{ border-color:rgb(255, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4736, 22.9535, 24.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 133) }
```

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

```
.background{ background-color: rgb(255, 0,  
133) }
```

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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