

Converting Colors

XYZ(45.7668, 22.9631, 30.6318)

Have a look what the booklet for
XYZ(45.7668, 22.9631, 30.6318)
contains.

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Color

**XYZ(45.5697, 22.8654,
30.4454)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0095
RGB	252, 0, 149
RGB Percent	99%, 0%, 58%
CMY	0.0118, 0.9998, 0.4157
CMYK	0.00, 1.00, 0.41, 0.01
HSL	325°, 100%, 49%
HSV	325°, 100%, 99%
XYZ	45.5697, 22.8654, 30.4454
YIQ	92.3340, 102.3630, 99.7630

Conversions

Conversions Part 2

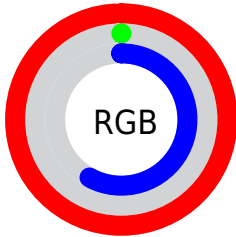
Format	Color
RYB	252, 0, 149
Decimal	16515221
CIELab	54.93, 85.59, -8.48
CIELCh	55, 86.007, 354.339
Yxy	22.8654, 0.4609, 0.2312
Android (android.graphics.Color)	4294705301 (0xFFFC0095)
YUV	92.3340, 27.9363, 140.0271
Hunter-Lab	47.8178, 86.4270, -4.2773

Details

The XYZ color **45.5697, 22.8654, 30.4454** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.2625, 70.6017, 24.5121**, and the grayscale version is **10.1788, 10.7089, 11.6620**.

A 20% lighter version of the original color is **56.5767, 34.6861, 60.2131**, and **23.1909, 11.7007, 12.5914** is the 20% darker color. If you saturate the color by 10%, you get **45.5676, 22.8645, 30.4347**, and if you desaturate by 10%, it is **46.7824, 23.9157, 35.0893**.

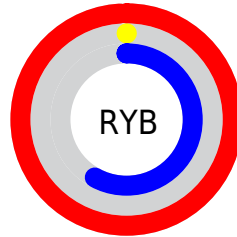
Distribution



Red (99%)

Green (0%)

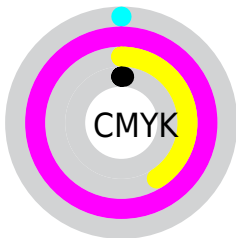
Blue (58%)



Red (99%)

Yellow (0%)

Blue (58%)

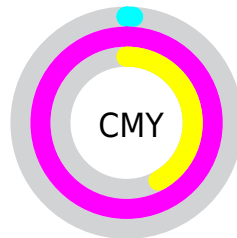


Cyan (0%)

Magenta (100%)

Yellow (41%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5697, 22.8654, 30.4454 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 45.5697, 22.8654, 30.4454 by changing the saturation by 10% instead.

 45.5697, 22.8654,
30.4454


 45.5697, 22.8654,
30.4454


359.8210,
267.0329, 318.2468

 32.1096, 14.4942,
19.9220


 82.8065, 48.1722,
61.4351


 21.6012, 8.4651,
12.1548


 107.3138, 65.8766,
82.7386


 13.6791, 4.3940,
6.7254


 136.2343, 87.4608,
108.4724

 7.9780, 1.8963,
3.2151

 169.9333,
113.3092, 139.0552

 4.1326, 0.5462,
1.2055

 208.7760,
143.8062, 174.9055

 1.7774, 0.0000,
0.0000

253.1280,

 0.5040, 0.0000,

179.3362, 216.4418

0.0000

303.3546,
220.2837, 264.0827

■ 0.0000, 0.0000,
0.0000

■ 45.5697, 22.8654,
30.4454

■ 45.5697, 22.8654,
30.4454

■ 45.5676, 22.8645,
30.4347

■ 46.7824, 23.9157,
35.0893

■ 48.5237, 25.9038,
40.2772

■ 50.9350, 29.1095,
46.0650

■ 54.1025, 33.7031,
52.4897

■ 58.0992, 39.8274,
59.5837

■ 62.9886, 47.6073,
67.3761

■ 68.8280, 57.1548,
75.8935

■ 75.6697, 68.5719,
85.1606

■ 83.5619, 81.9529,
95.2009

Harmonies

Analogous

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



40.2994, 22.8654, 69.7887



45.5697, 22.8654, 30.4454



43.0921, 22.8654, 8.9169

Triad

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



45.5697, 22.8654, 30.4454



15.0165, 22.8654, 1.1543



12.6982, 22.8654, 96.6016

Complementary

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



45.5697, 22.8654, 30.4454



37.2625, 70.6017, 24.5121

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.



8.9394, 22.8654, 53.4249



45.5697, 22.8654, 30.4454



9.9778, 22.8654, 5.1135

Square

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



45.5697, 22.8654, 30.4454



23.5926, 22.8654, 0.6379



8.1141, 22.8654, 20.0665



19.9735, 22.8654, 122.2791

Rectangle

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



45.5697, 22.8654, 30.4454



37.6664, 22.8654, 3.2733



8.1141, 22.8654, 20.0665



11.0776, 22.8654, 82.6068

Sweetspot

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



45.5704, 22.8667, 30.4458



70.6773, 58.6670, 77.9240



22.9200, 9.7870, 92.7764



14.5603, 11.6234, 15.8693



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.



45.5704, 22.8667, 30.4458



46.8055, 23.4862, 31.2373



40.3238, 20.7681, 2.8176



17.6752, 17.3974, 20.1454



23.8117, 11.9404, 16.2489



2.2580, 1.1269, 1.7820

Inverse Universe

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



45.5704, 22.8667, 30.4458



46.8055, 23.4862, 31.2373



48.6495, 75.1565, 84.4754



17.6752, 17.3974, 20.1454



23.8117, 11.9404, 16.2489



2.2580, 1.1269, 1.7820

Previews

White Background



This preview shows how the XYZ color 45.5697, 22.8654, 30.4454 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 45.5697, 22.8654, 30.4454 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 45.5697, 22.8654, 30.4454

Background



This preview shows how black text looks on a background with the XYZ color 45.5697, 22.8654, 30.4454.



This preview shows how white text looks on a background with the XYZ color 45.5697, 22.8654,

30.4454.

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

45.5697, 22.8654, 30.4454

Protanopia

25.3758, 23.5296, 66.8226

Deuteranopia

23.7654, 23.3751, 27.3040



Tritanopia

40.7640, 23.2390, 6.7520

Trichromacy



Original Color

45.5697, 22.8654, 30.4454



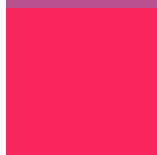
Protanomaly

25.9051, 16.8728, 50.6066



Deuteranomaly

27.4282, 18.0549, 27.6305



Tritanomaly

41.7358, 22.3163, 12.4637

Monochromacy



Original Color

45.5697, 22.8654, 30.4454



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.1223, 10.8042, 16.8058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5697, 22.8654, 30.4454 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(252, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 149)  
}
```

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(252, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 149) }
```

Border

The CSS property to change the border of an element to XYZ 45.5697, 22.8654, 30.4454 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(252, 0, 149) }
```


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

```
.border{ border-color:rgb(252, 0, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5697, 22.8654, 30.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 149) }
```

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

```
.background{ background-color: rgb(252, 0,  
149) }
```

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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