

Converting Colors

XYZ(45.2035, 22.6315, 32.4649)

Have a look what the booklet for
XYZ(45.2035, 22.6315, 32.4649)
contains.

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Color

**XYZ(45.2571, 22.6571,
32.5598)**

Conversions

Conversions Part 1

Format	Color
Hex	FA009A
RGB	250, 0, 154
RGB Percent	98%, 0%, 60%
CMY	0.0196, 0.9998, 0.3961
CMYK	0.00, 1.00, 0.38, 0.02
HSL	323°, 100%, 49%
HSV	323°, 100%, 98%
XYZ	45.2571, 22.6571, 32.5598
YIQ	92.3060, 99.5660, 100.8940

Conversions

Conversions Part 2

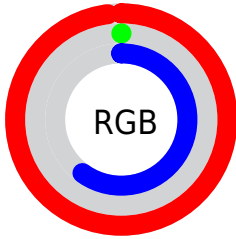
Format	Color
RYB	250, 0, 154
Decimal	16384154
CIELab	54.72, 85.62, -11.82
CIElCh	55, 86.434, 352.143
Yxy	22.6571, 0.4504, 0.2255
Android (android.graphics.Color)	4294574234 (0xFFFA009A)
YUV	92.3060, 30.4151, 138.2976
Hunter-Lab	47.5995, 86.4169, -7.2369

Details

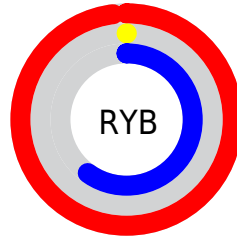
The XYZ color **45.2571, 22.6571, 32.5598** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.3004, 69.2172, 22.5277**, and the grayscale version is **10.1669, 10.6963, 11.6483**.

A 20% lighter version of the original color is **57.1823, 34.9284, 63.4025**, and **22.9417, 11.5441, 13.8510** is the 20% darker color. If you saturate the color by 10%, you get **45.2552, 22.6563, 32.5499**, and if you desaturate by 10%, it is **46.4383, 23.6878, 37.0587**.

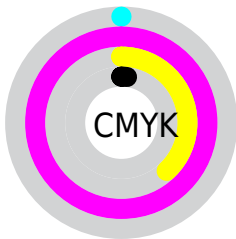
Distribution



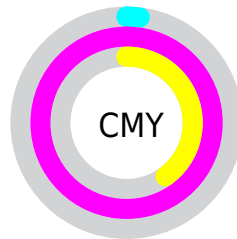
- Red (98%)
- Green (0%)
- Blue (60%)



- Red (98%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2571, 22.6571, 32.5598 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 45.2571, 22.6571, 32.5598 by changing the saturation by 10% instead.


 45.2571, 22.6571,
32.5598


 45.2571, 22.6571,
32.5598


358.5800,
265.9589, 328.2324


 31.8621, 14.3405,
21.5211


 82.3408, 47.8297,
64.7957


 21.4112, 8.3579,
13.3105


 106.7602, 65.4544,
86.8300


 13.5391, 4.3248,
7.5095


 135.5851, 86.9507,
113.3666

 7.8804, 1.8569,
3.6995

 169.1809,
112.7030, 144.8240

 4.0697, 0.5222,
1.4620

 207.9130,
143.0955, 181.6207

 1.7416, 0.0000,
0.1894

252.1466,

 0.4821, 0.0000,

178.5127, 224.1753

0.0000

302.2472,
219.3390, 272.9064

■ 0.0000, 0.0000,
0.0000

■ 45.2571, 22.6571,
32.5598

■ 45.2571, 22.6571,
32.5598

■ 45.2552, 22.6563,
32.5499

■ 46.4383, 23.6878,
37.0587

■ 48.1302, 25.6354,
42.0506

■ 50.4717, 28.7751,
47.5886

■ 53.5471, 33.2738,
53.7076

■ 57.4276, 39.2712,
60.4377

■ 62.1753, 46.8898,
67.8060

■ 67.8459, 56.2392,
75.8371

■ 74.4907, 67.4195,
84.5541

■ 82.1565, 80.5231,
93.9785

Harmonies

Analogous

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



39.4786, 22.6571, 72.9068



45.2571, 22.6571, 32.5598



43.3500, 22.6571, 9.7081

Triad

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



45.2571, 22.6571, 32.5598



15.3418, 22.6571, 0.9988



12.1353, 22.6571, 93.6036

Complementary

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



45.2571, 22.6571, 32.5598



36.3004, 69.2172, 22.5277

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.



8.6331, 22.6571, 50.1988



45.2571, 22.6571, 32.5598



10.0676, 22.6571, 4.4482

Square

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



45.2571, 22.6571, 32.5598



24.1377, 22.6571, 0.6095



8.0078, 22.6571, 18.1699



19.1263, 22.6571, 121.6834

Rectangle

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



45.2571, 22.6571, 32.5598



38.1744, 22.6571, 3.5564



8.0078, 22.6571, 18.1699



10.6073, 22.6571, 79.2721

Sweetspot

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



45.2578, 22.6584, 32.5602



70.9350, 58.7701, 79.2814



22.0662, 9.3832, 91.0906



14.6217, 11.6479, 16.1925



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.



45.2578, 22.6584, 32.5602



47.3307, 23.6963, 34.0030



39.6495, 20.4151, 3.0274



17.6940, 17.4049, 20.2442



24.0772, 12.0466, 17.6470



2.2817, 1.1364, 1.9070

Inverse Universe

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



45.2578, 22.6584, 32.5602



47.3307, 23.6963, 34.0030



47.2162, 73.5836, 80.0096



17.6940, 17.4049, 20.2442



24.0772, 12.0466, 17.6470



2.2817, 1.1364, 1.9070

Previews

White Background



This preview shows how the XYZ color 45.2571, 22.6571, 32.5598 looks on a white background.

Color Contrast Check

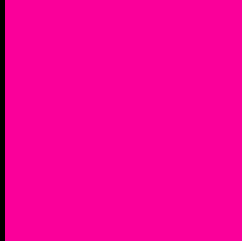
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2571, 22.6571, 32.5598 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 45.2571, 22.6571, 32.5598

Background



This preview shows how black text looks on a background with the XYZ color 45.2571, 22.6571, 32.5598.



This preview shows how white text looks on a background with the XYZ color 45.2571, 22.6571,

32.5598.

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

45.2571, 22.6571, 32.5598

Protanopia

25.6207, 23.3539, 71.5640

Deuteranopia

23.6234, 23.2591, 29.2310



Tritanopia

40.2221, 23.1088, 7.0431

Trichromacy



Original Color

45.2571, 22.6571, 32.5598



Protanomaly

25.8578, 16.6451, 54.6733



Deuteranomaly

27.1061, 17.8445, 29.6194



Tritanomaly

41.1946, 22.0697, 13.1550

Monochromacy



Original Color

45.2571, 22.6571, 32.5598



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0529, 10.7553, 17.3968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2571, 22.6571, 32.5598 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(250, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 154)  
}
```

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(250, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 45.2571, 22.6571, 32.5598 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(250, 0, 154) }
```


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

```
.border{ border-color:rgb(250, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2571, 22.6571, 32.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 154) }
```

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

```
.background{ background-color: rgb(250, 0,  
154) }
```

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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