

Converting Colors

XYZ(45.5850, 22.7841, 34.4737)

Have a look what the booklet for
XYZ(45.5850, 22.7841, 34.4737)
contains.

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Color

**XYZ(45.5959, 22.7926,
34.3440)**

Conversions

Conversions Part 1

Format	Color
Hex	FA009E
RGB	250, 0, 158
RGB Percent	98%, 0%, 62%
CMY	0.0196, 0.9998, 0.3804
CMYK	0.00, 1.00, 0.37, 0.02
HSL	322°, 100%, 49%
HSV	322°, 100%, 98%
XYZ	45.5959, 22.7926, 34.3440
YIQ	92.7620, 98.2820, 102.1380

Conversions

Conversions Part 2

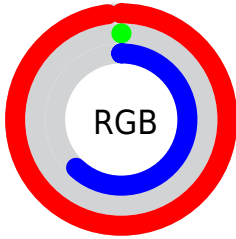
Format	Color
R_{YB}	250, 0, 158
Decimal	16384158
CIE _{Lab}	54.86, 85.99, -13.97
CIE _{LCh}	55, 87.116, 350.770
Yxy	22.7926, 0.4438, 0.2219
Android (android.graphics.Color)	4294574238 (0xFFFA009E)
YUV	92.7620, 32.1623, 137.8977
Hunter-Lab	47.7416, 86.9297, -9.2325

Details

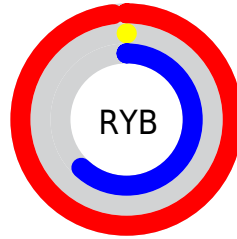
The XYZ color **45.5959, 22.7926, 34.3440** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.1206, 69.1453, 21.5811**, and the grayscale version is **10.2682, 10.8030, 11.7644**.

A 20% lighter version of the original color is **57.8074, 35.1784, 66.6941**, and **23.1474, 11.6263, 14.9340** is the 20% darker color. If you saturate the color by 10%, you get **45.5941, 22.7919, 34.3344**, and if you desaturate by 10%, it is **46.7670, 23.8193, 38.7901**.

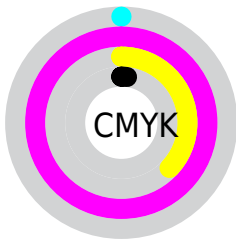
Distribution



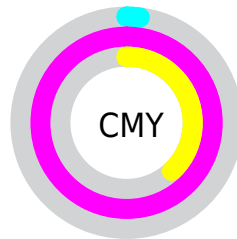
- Red (98%)
- Green (0%)
- Blue (62%)



- Red (98%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5959, 22.7926, 34.3440 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 45.5959, 22.7926, 34.3440 by changing the saturation by 10% instead.


 45.5959, 22.7926,
34.3440


 45.5959, 22.7926,
34.3440

359.9249,
266.6580, 336.4791


 32.1303, 14.4404,
22.8785


 82.8455, 48.0526,
67.6083


 21.6171, 8.4276,
14.2994


 107.3602, 65.7291,
90.2441


 13.6908, 4.3698,
8.1880


 136.2887, 87.2826,
117.4405

 7.9862, 1.8825,
4.1260

 169.9963,
113.0975, 149.6159

 4.1379, 0.5378,
1.6947

 208.8483,
143.5580, 187.1889

 1.7804, 0.0000,
0.3571

253.2102,

 0.5058, 0.0000,

179.0487, 230.5781

0.0000

303.4473,
219.9539, 280.2020

■ 0.0000, 0.0000,
0.0000

■ 45.5959, 22.7926,
34.3440

■ 45.5959, 22.7926,
34.3440

■ 45.5941, 22.7919,
34.3344

■ 46.7670, 23.8193,
38.7901

■ 48.4440, 25.7608,
43.7035

■ 50.7655, 28.8925,
49.1366

■ 53.8158, 33.3810,
55.1233

■ 57.6657, 39.3661,
61.6927

■ 62.3773, 46.9702,
68.8712

■ 68.0062, 56.3028,
76.6825

■ 74.6033, 67.4640,
85.1490

■ 82.2155, 80.5460,
94.2914

Harmonies

Analogous

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



39.4292, 22.7926, 75.8113



45.5959, 22.7926, 34.3440



44.0298, 22.7926, 10.3502

Triad

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



45.5959, 22.7926, 34.3440



15.7325, 22.7926, 0.9179



11.9276, 22.7926, 92.8386

Complementary

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



45.5959, 22.7926, 34.3440



36.1206, 69.1453, 21.5811

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.



8.5426, 22.7926, 48.8056



45.5959, 22.7926, 34.3440



10.2433, 22.7926, 4.1071

Square

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



45.5959, 22.7926, 34.3440



24.7752, 22.7926, 0.6009



8.0343, 22.7926, 17.2385



18.8242, 22.7926, 122.7559

Rectangle

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



45.5959, 22.7926, 34.3440



38.9538, 22.7926, 3.7864



8.0343, 22.7926, 17.2385



10.4389, 22.7926, 78.1355

Sweetspot

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



45.5966, 22.7939, 34.3444



71.1033, 58.8374, 80.1676



21.6400, 9.1635, 91.0707



14.6618, 11.6640, 16.4037



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.



45.5966, 22.7939, 34.3444



47.6852, 23.8381, 35.8702



39.7049, 20.4372, 3.3193



17.7062, 17.4098, 20.3083



24.2563, 12.1182, 18.5898



2.2976, 1.1428, 1.9907

Inverse Universe

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



45.5966, 22.7939, 34.3444



47.6852, 23.8381, 35.8702



46.6684, 73.3644, 77.1249



17.7062, 17.4098, 20.3083



24.2563, 12.1182, 18.5898



2.2976, 1.1428, 1.9907

Previews

White Background



This preview shows how the XYZ color 45.5959, 22.7926, 34.3440 looks on a white background.

Color Contrast Check

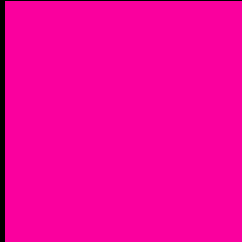
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5959, 22.7926, 34.3440 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 45.5959, 22.7926, 34.3440

Background



This preview shows how black text looks on a background with the XYZ color 45.5959, 22.7926, 34.3440.



This preview shows how white text looks on a background with the XYZ color 45.5959, 22.7926,

34.3440.

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

45.5959, 22.7926, 34.3440

Protanopia

26.0245, 23.6804, 75.1506

Deuteranopia

23.7642, 23.2961, 30.8478



Tritanopia

39.9850, 23.0600, 7.3446

Trichromacy



Original Color

45.5959, 22.7926, 34.3440



Protanomaly

26.0303, 16.7931, 57.1278



Deuteranomaly

27.1936, 17.8527, 31.2908



Tritanomaly

40.9837, 21.9447, 13.8801

Monochromacy



Original Color

45.5959, 22.7926, 34.3440



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3525, 10.8963, 18.0182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5959, 22.7926, 34.3440 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 45.5959, 22.7926, 34.3440 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, 158) }
```


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

```
.border{ border-color:rgb(250, 0, 158) }
```

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, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5959, 22.7926, 34.3440 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, 158) }
```

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

```
.background{ background-color: rgb(250, 0,  
158) }
```

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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