

# Converting Colors

XYZ(45.0880, 22.5419, 31.5439)

Have a look what the booklet for  
XYZ(45.0880, 22.5419, 31.5439)  
contains.

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# Color

**XYZ(45.0918, 22.5910,  
31.6897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA0098
RGB	250, 0, 152
RGB Percent	98%, 0%, 60%
CMY	0.0196, 0.9998, 0.4039
CMYK	0.00, 1.00, 0.39, 0.02
HSL	324°, 100%, 49%
HSV	324°, 100%, 98%
XYZ	45.0918, 22.5910, 31.6897
YIQ	92.0780, 100.2080, 100.2720

# Conversions

## Conversions Part 2

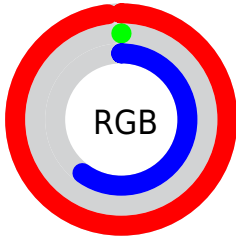
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 0, 152
Decimal	16384152
CIE <sub>Lab</sub>	54.65, 85.44, -10.73
CIE <sub>LCh</sub>	55, 86.115, 352.840
Yxy	22.5910, 0.4538, 0.2273
Android (android.graphics.Color)	4294574232 (0xFFFA0098)
YUV	92.0780, 29.5415, 138.4976
Hunter-Lab	47.5300, 86.1658, -6.2595

# Details

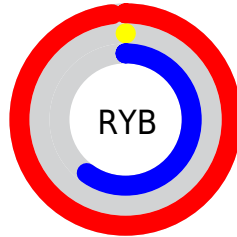
The XYZ color **45.0918, 22.5910, 31.6897** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.3938, 69.2545, 23.0197**, and the grayscale version is **10.1165, 10.6434, 11.5907**.

A 20% lighter version of the original color is **56.8424, 34.6399, 62.0828**, and **22.8425, 11.5044, 13.3286** is the 20% darker color. If you saturate the color by 10%, you get **45.0898, 22.5902, 31.6794**, and if you desaturate by 10%, it is **46.2773, 23.6235, 36.2113**.

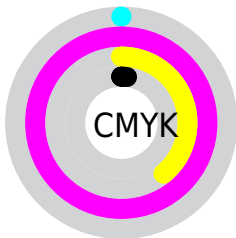
# Distribution



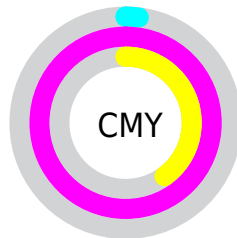
- Red (98%)
- Green (0%)
- Blue (60%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (2%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0918, 22.5910, 31.6897 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 45.0918, 22.5910, 31.6897 by changing the saturation by 10% instead.





 45.0918, 22.5910,  
31.6897


 45.0918, 22.5910,  
31.6897


357.9227,  
265.6173, 324.1524


 31.7313, 14.2918,  
20.8617


 82.0944, 47.7209,  
63.4166


 21.3109, 8.3239,  
12.8327


 106.4672, 65.3203,  
85.1526


 13.4652, 4.3029,  
7.1841


 135.2415, 86.7887,  
111.3616

 7.8289, 1.8444,  
3.4973

 168.7826,  
112.5103, 142.4624

 4.0365, 0.5146,  
1.3538

 207.4559,  
142.8695, 178.8732

 1.7228, 0.0000,  
0.1053

251.6268,

 0.4705, 0.0000,

178.2509, 221.0128

0.0000

301.6606,  
219.0386, 269.2997

■ 0.0000, 0.0000,  
0.0000

■ 45.0918, 22.5910,  
31.6897

■ 45.0918, 22.5910,  
31.6897

■ 45.0898, 22.5902,  
31.6794

■ 46.2773, 23.6235,  
36.2113

■ 47.9760, 25.5738,  
41.2388

■ 50.3269, 28.7174,  
46.8261

■ 53.4144, 33.2210,  
53.0084

■ 57.3097, 39.2244,  
59.8164

■ 62.0751, 46.8502,  
67.2775

■ 67.7664, 56.2079,  
75.4169

■ 74.4347, 67.3978,  
84.2579

■ 82.1272, 80.5121,  
93.8226

# Harmonies

## Analogous

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



39.5071, 22.5910, 71.4829



45.0918, 22.5910, 31.6897



43.0151, 22.5910, 9.3961

# Triad

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



45.0918, 22.5910, 31.6897



15.1490, 22.5910, 1.0408



12.2413, 22.5910, 93.9996

# Complementary

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



45.0918, 22.5910, 31.6897



36.3938, 69.2545, 23.0197

# 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.



8.6793, 22.5910, 50.9136



45.0918, 22.5910, 31.6897



9.9806, 22.5910, 4.6267

# Square

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



45.0918, 22.5910, 31.6897



23.8234, 22.5910, 0.6137



7.9949, 22.5910, 18.6517



19.2808, 22.5910, 121.1602



# Rectangle

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



45.0918, 22.5910, 31.6897



37.7902, 22.5910, 3.4445



7.9949, 22.5910, 18.6517



10.6933, 22.5910, 79.8557

# Sweetspot

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



45.0925, 22.5923, 31.6901



70.8513, 58.7366, 78.8406



22.0663, 9.3833, 91.0904



14.6017, 11.6399, 16.0875



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.



45.0925, 22.5923, 31.6901



47.1577, 23.6271, 33.0923



39.6494, 20.4151, 3.0275



17.6879, 17.4025, 20.2122



23.9899, 12.0117, 17.1869



2.2739, 1.1333, 1.8660



# Inverse Universe

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



45.0925, 22.5923, 31.6901



47.1577, 23.6271, 33.0923



47.2162, 73.5834, 80.0096



17.6879, 17.4025, 20.2122



23.9899, 12.0117, 17.1869



2.2739, 1.1333, 1.8660



# Previews

## White Background



This preview shows how the XYZ color 45.0918, 22.5910, 31.6897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

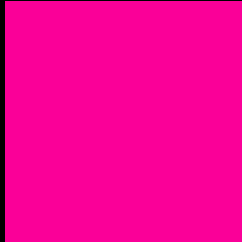
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0918, 22.5910, 31.6897 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 45.0918, 22.5910, 31.6897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0918, 22.5910, 31.6897.



This preview shows how white text looks on a background with the XYZ color 45.0918, 22.5910,



# 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

45.0918, 22.5910, 31.6897

### Protanopia

25.3290, 23.2493, 69.4822

### Deuteranopia

23.5114, 23.0242, 28.4042



## Tritanopia

40.1415, 22.9920, 6.8796

# Trichromacy



## Original Color

45.0918, 22.5910, 31.6897



## Protanomaly

25.7038, 16.6050, 52.8893



## Deuteranomaly

27.1093, 17.7530, 28.7859



## Tritanomaly

41.1164, 21.9866, 12.9032

# Monochromacy



## Original Color

45.0918, 22.5910, 31.6897



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

16.9957, 10.7324, 17.0954

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0918, 22.5910, 31.6897 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0918, 22.5910, 31.6897 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, 152) }
```



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

```
.border{ border-color:rgb(250, 0, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0918, 22.5910, 31.6897 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, 152) }
```

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

```
.background{ background-color: rgb(250, 0,  
152) }
```

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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