

Converting Colors

XYZ(51.2451, 24.9248, 16.0395)

Have a look what the booklet for
XYZ(51.2451, 24.9248, 16.0395)
contains.

XYZ(43.8938, 22.3215, 15.9049)	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(43.8938, 22.3215,
15.9049)**

Conversions

Conversions Part 1

Format	Color
Hex	FF006B
RGB	255, 0, 107
RGB Percent	100%, 0%, 42%
CMY	0.0000, 0.9997, 0.5804
CMYK	0.00, 1.00, 0.58, 0.00
HSL	335°, 100%, 50%
HSV	335°, 100%, 100%
XYZ	43.8938, 22.3215, 15.9049
YIQ	88.4430, 117.6330, 87.3370

Conversions

Conversions Part 2

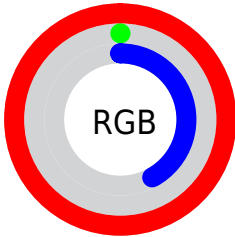
Format	Color
R_{YB}	255, 0, 107
Decimal	16711787
CIE Lab	54.37, 83.17, 15.99
CIE LCh	54, 84.698, 10.883
Yxy	22.3215, 0.5345, 0.2718
Android (android.graphics.Color)	4294901867 (0xFFFF006B)
YUV	88.4430, 9.1486, 146.0705
Hunter-Lab	47.2456, 83.1565, 13.1124

Details

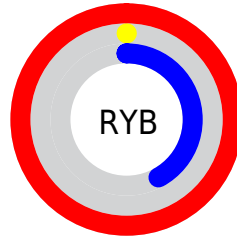
The XYZ color **43.8938, 22.3215, 15.9049** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **41.1111, 73.6602, 40.0953**, and the grayscale version is **9.3433, 9.8298, 10.7047**.

A 20% lighter version of the original color is **51.8734, 32.6523, 35.9162**, and **22.0775, 11.2841, 5.4293** is the 20% darker color. If you saturate the color by 10%, you get **43.8916, 22.3206, 15.8943**, and if you desaturate by 10%, it is **45.1004, 23.3799, 20.4845**.

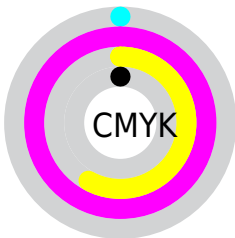
Distribution



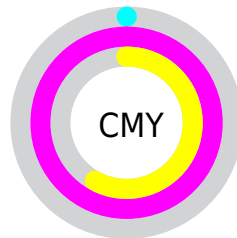
- Red (100%)
- Green (0%)
- Blue (42%)



- Red (100%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8938, 22.3215, 15.9049 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 43.8938, 22.3215, 15.9049 by changing the saturation by 10% instead.


 43.8938, 22.3215,
15.9049


 43.8938, 22.3215,
15.9049


353.1343,
264.2207, 240.6064


 30.7846, 14.0933,
9.3033


 80.3053, 47.2768,
37.1975


 20.5859, 8.1856,
4.8400


 104.3382, 64.7727,
52.7256


 12.9324, 4.2139,
2.0966


 132.7431, 86.1266,
72.0662

 7.4587, 1.7939,
0.6137

 165.8853,
111.7230, 95.6379

 3.7994, 0.4834,
0.0000

 204.1301,
141.9462, 123.8592

 1.5893, 0.0000,
0.0000

247.8430,

 0.3854, 0.0000,

177.1806, 157.1487

0.0000

297.3893,
217.8106, 195.9249

■ 0.0000, 0.0000,
0.0000

■ 43.8938, 22.3215,
15.9049

■ 43.8938, 22.3215,
15.9049

■ 43.8916, 22.3206,
15.8943

■ 45.1004, 23.3799,
20.4845

■ 46.9138, 25.4283,
25.9552

■ 49.4828, 28.7549,
32.3959

■ 52.9004, 33.5368,
39.8651

■ 57.2449, 39.9223,
48.4150

■ 62.5855, 48.0415,
58.0932

■ 68.9842, 58.0109,
68.9443

■ 76.4978, 69.9368,
81.0097

■ 85.1790, 83.9175,
94.3289

Harmonies

Analogous

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



42.8300, 22.3215, 45.0768



43.8938, 22.3215, 15.9049



37.6904, 22.3215, 3.8926

Triad

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



43.8938, 22.3215, 15.9049



11.5795, 22.3215, 2.5587



15.9112, 22.3215, 111.0998

Complementary

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



43.8938, 22.3215, 15.9049



41.1111, 73.6602, 40.0953

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.



10.4156, 22.3215, 75.1628



43.8938, 22.3215, 15.9049



8.4637, 22.3215, 11.1548

Square

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



43.8938, 22.3215, 15.9049



18.0340, 22.3215, 0.7383



8.1108, 22.3215, 35.2372



24.7517, 22.3215, 116.3922

Rectangle

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



43.8938, 22.3215, 15.9049



31.0929, 22.3215, 1.4428



8.1108, 22.3215, 35.2372



13.6893, 22.3215, 101.4101

Sweetspot

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



43.8943, 22.3229, 15.9052



68.9664, 57.9827, 68.9148



29.6448, 13.1984, 95.5923



14.1560, 11.4617, 13.7404



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.



43.8943, 22.3229, 15.9052



43.8918, 22.3207, 15.8944



41.4416, 21.6629, 1.9990



18.3254, 18.1135, 20.3309



23.0050, 11.6913, 8.6765



2.2930, 1.1596, 1.1242

Inverse Universe

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



43.8943, 22.3229, 15.9052



43.8918, 22.3207, 15.8944



48.6264, 68.3717, 105.2414



18.3254, 18.1135, 20.3309



23.0050, 11.6913, 8.6765



2.2930, 1.1596, 1.1242

Previews

White Background



This preview shows how the XYZ color 43.8938, 22.3215, 15.9049 looks on a white background.

Color Contrast Check

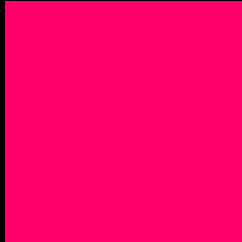
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.8938, 22.3215, 15.9049 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 43.8938, 22.3215, 15.9049

Background



This preview shows how black text looks on a background with the XYZ color 43.8938, 22.3215, 15.9049.

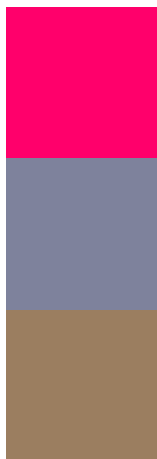


This preview shows how white text looks on a background with the XYZ color 43.8938, 22.3215,

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

43.8938, 22.3215, 15.9049

Protanopia

22.5876, 22.8012, 34.6631

Deuteranopia

23.0897, 22.7348, 14.2376



Tritanopia

41.7721, 22.7705, 4.2913

Trichromacy



Original Color

43.8938, 22.3215, 15.9049

Protanomaly

24.9143, 16.9057, 25.9948

Deuteranomaly

26.6548, 17.7338, 14.0747

Tritanomaly

42.2191, 22.2364, 7.0679

Monochromacy



Original Color

43.8938, 22.3215, 15.9049

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

15.8742, 10.0441, 11.9285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8938, 22.3215, 15.9049 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 43.8938, 22.3215, 15.9049 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, 107) }
```


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

```
.border{ border-color:rgb(255, 0, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8938, 22.3215, 15.9049 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, 107) }
```

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

```
.background{ background-color: rgb(255, 0,  
107) }
```

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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