

Converting Colors

XYZ(48.7629, 21.2835, 15.1098)

Have a look what the booklet for
XYZ(48.7629, 21.2835, 15.1098)
contains.

XYZ(43.8415, 22.3006, 15.6294)	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(43.8415, 22.3006,
15.6294)**

Conversions

Conversions Part 1

Format	Color
Hex	FF006A
RGB	255, 0, 106
RGB Percent	100%, 0%, 42%
CMY	0.0000, 0.9997, 0.5843
CMYK	0.00, 1.00, 0.58, 0.00
HSL	335°, 100%, 50%
HSV	335°, 100%, 100%
XYZ	43.8415, 22.3006, 15.6294
YIQ	88.3290, 117.9540, 87.0260

Conversions

Conversions Part 2

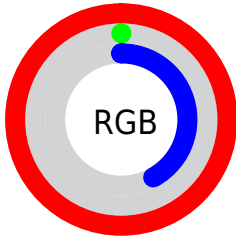
Format	Color
RYB	255, 0, 106
Decimal	16711786
CIELab	54.34, 83.12, 16.56
CIELCh	54, 84.750, 11.271
Yxy	22.3006, 0.5361, 0.2727
Android (android.graphics.Color)	4294901866 (0xFFFF006A)
YUV	88.3290, 8.7118, 146.1705
Hunter-Lab	47.2235, 83.0752, 13.4335

Details

The XYZ color **43.8415, 22.3006, 15.6294** 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 **41.1908, 73.6921, 40.5148**, and the grayscale version is **9.3193, 9.8047, 10.6773**.

A 20% lighter version of the original color is **51.7876, 32.6180, 35.4647**, and **22.0508, 11.2734, 5.2887** is the 20% darker color. If you saturate the color by 10%, you get **43.8393, 22.2997, 15.6186**, and if you desaturate by 10%, it is **45.0450, 23.3578, 20.1927**.

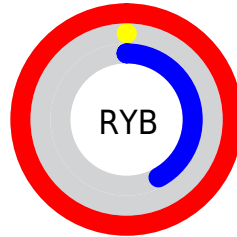
Distribution



Red (100%)

Green (0%)

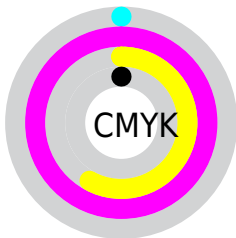
Blue (42%)



Red (100%)

Yellow (0%)

Blue (42%)

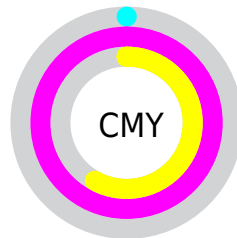


Cyan (0%)

Magenta (100%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8415, 22.3006, 15.6294 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 43.8415, 22.3006, 15.6294 by changing the saturation by 10% instead.


 43.8415, 22.3006,
15.6294


 43.8415, 22.3006,
15.6294


352.9242,
264.1121, 238.9154


 30.7433, 14.0779,
9.1108


 80.2270, 47.2423,
36.7114


 20.5543, 8.1749,
4.7157


 104.2450, 64.7302,
52.1119

 12.9092, 4.2071,
2.0256


 132.6337, 86.0752,
71.3101

 7.4426, 1.7901,
0.5710

 165.7584,
111.6618, 94.7245

 3.7892, 0.4810,
0.0000

 203.9844,
141.8745, 122.7737

 1.5836, 0.0000,
0.0000

247.6772,

 0.3817, 0.0000,

177.0974, 155.8762

0.0000

297.2020,
217.7152, 194.4506

■ 0.0000, 0.0000,
0.0000

■ 43.8415, 22.3006,
15.6294

■ 43.8415, 22.3006,
15.6294

■ 43.8393, 22.2997,
15.6186

■ 45.0450, 23.3578,
20.1927

■ 46.8569, 25.4056,
25.6552

■ 49.4260, 28.7323,
32.0965

■ 52.8455, 33.5150,
39.5756

■ 57.1939, 39.9021,
48.1455

■ 62.5403, 48.0237,
57.8544

■ 68.9470, 57.9964,
68.7474

■ 76.4708, 69.9265,
80.8664

■ 85.1646, 83.9122,
94.2514

Harmonies

Analogous

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



42.8774, 22.3006, 44.5668



43.8415, 22.3006, 15.6294



37.5574, 22.3006, 3.8037

Triad

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



43.8415, 22.3006, 15.6294



11.5009, 22.3006, 2.5991



15.9861, 22.3006, 111.4280

Complementary

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



43.8415, 22.3006, 15.6294



41.1908, 73.6921, 40.5148

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.



10.4474, 22.3006, 75.7122



43.8415, 22.3006, 15.6294



8.4262, 22.3006, 11.3304

Square

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



43.8415, 22.3006, 15.6294



17.9084, 22.3006, 0.7398



8.1068, 22.3006, 35.6514



24.8633, 22.3006, 116.2271

Rectangle

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



43.8415, 22.3006, 15.6294



30.9383, 22.3006, 1.4100



8.1068, 22.3006, 35.6514



13.7493, 22.3006, 101.8561

Sweetspot

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



43.8420, 22.3020, 15.6297



68.9289, 57.9677, 68.7172



30.4046, 13.5901, 95.6279



14.1472, 11.4581, 13.6941



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.



43.8420, 22.3020, 15.6297



43.8395, 22.2998, 15.6187



41.5141, 21.8079, 2.0233



18.3224, 18.1123, 20.3149



22.9773, 11.6802, 8.5307



2.2901, 1.1584, 1.1092

Inverse Universe

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



43.8420, 22.3020, 15.6297



43.8395, 22.2998, 15.6187



47.4039, 65.9267, 104.8339



18.3224, 18.1123, 20.3149



22.9773, 11.6802, 8.5307



2.2901, 1.1584, 1.1092

Previews

White Background



This preview shows how the XYZ color 43.8415, 22.3006, 15.6294 looks on a white background.

Color Contrast Check

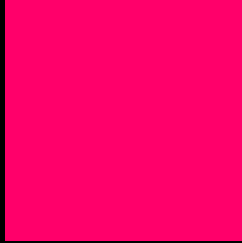
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.8415, 22.3006, 15.6294 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 43.8415, 22.3006, 15.6294

Background



This preview shows how black text looks on a background with the XYZ color 43.8415, 22.3006, 15.6294.



This preview shows how white text looks on a background with the XYZ color 43.8415, 22.3006,

15.6294.

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

43.8415, 22.3006, 15.6294

Protanopia

22.5678, 22.8104, 33.7852

Deuteranopia

23.2367, 22.8159, 14.0057



Tritanopia

41.7190, 22.6918, 4.1886

Trichromacy



Original Color

43.8415, 22.3006, 15.6294



Protanomaly

25.0642, 16.9913, 25.6255



Deuteranomaly

26.8590, 17.8446, 13.8331



Tritanomaly

42.1904, 22.2249, 6.9166

Monochromacy



Original Color

43.8415, 22.3006, 15.6294



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 43.8415, 22.3006, 15.6294 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 43.8415, 22.3006, 15.6294 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, 106) }
```


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

```
.border{ border-color:rgb(255, 0, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8415, 22.3006, 15.6294 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, 106) }
```

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

```
.background{ background-color: rgb(255, 0,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor