

# Converting Colors

XYZ(43.9765, 22.3546, 16.3403)

Have a look what the booklet for  
XYZ(43.9765, 22.3546, 16.3403)  
contains.

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# Color

**XYZ(44.0003, 22.3641,  
16.4656)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF006D
RGB	255, 0, 109
RGB Percent	100%, 0%, 43%
CMY	0.0000, 0.9997, 0.5725
CMYK	0.00, 1.00, 0.57, 0.00
HSL	334°, 100%, 50%
HSV	334°, 100%, 100%
XYZ	44.0003, 22.3641, 16.4656
YIQ	88.6710, 116.9910, 87.9590

# Conversions

## Conversions Part 2

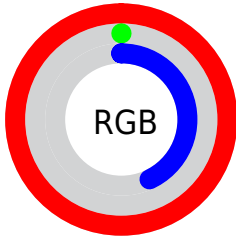
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 0, 109
Decimal	16711789
CIE <sub>Lab</sub>	54.41, 83.29, 14.84
CIE <sub>LCh</sub>	54, 84.606, 10.105
Yxy	22.3641, 0.5312, 0.2700
Android (android.graphics.Color)	4294901869 (0xFFFF006D)
YUV	88.6710, 10.0222, 145.8705
Hunter-Lab	47.2907, 83.3216, 12.4600

# Details

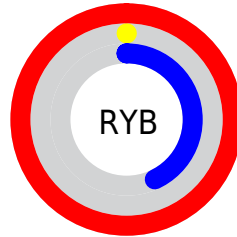
The XYZ color **44.0003, 22.3641, 16.4656** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.9541, 73.5975, 39.2681**, and the grayscale version is **9.3915, 9.8806, 10.7600**.

A 20% lighter version of the original color is **52.0470, 32.7217, 36.8305**, and **22.1047, 11.2950, 5.5725** is the 20% darker color. If you saturate the color by 10%, you get **43.9981, 22.3632, 16.4549**, and if you desaturate by 10%, it is **45.2128, 23.4249, 21.0762**.

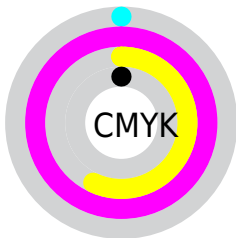
# Distribution



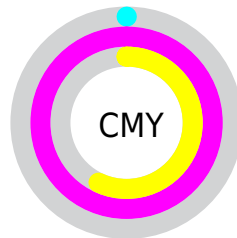
- Red (100%)
- Green (0%)
- Blue (43%)



- Red (100%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0003, 22.3641, 16.4656 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 44.0003, 22.3641, 16.4656 by changing the saturation by 10% instead.




 44.0003, 22.3641,  
16.4656


 44.0003, 22.3641,  
16.4656


353.5617,  
264.4418, 244.0125

 30.8687, 14.1247,  
9.6963

 80.4645, 47.3470,  
38.1826

 20.6502, 8.2074,  
5.0951


 104.5278, 64.8594,  
53.9674


 12.9795, 4.2280,  
2.2435


 132.9657, 86.2314,  
73.5945

 7.4914, 1.8019,  
0.6993

 166.1436,  
111.8476, 97.4823

 3.8203, 0.4883,  
0.0000

 204.4268,  
142.0924, 126.0495

 1.6010, 0.0000,  
0.0000

248.1806,

 0.3930, 0.0000,

177.3501, 159.7146

0.0000

297.7705,  
218.0051, 198.8960

■ 0.0000, 0.0000,  
0.0000

■ 44.0003, 22.3641,  
16.4656

■ 44.0003, 22.3641,  
16.4656

■ 43.9981, 22.3632,  
16.4549

■ 45.2128, 23.4249,  
21.0762

■ 47.0290, 25.4743,  
26.5620

■ 49.5976, 28.8008,  
33.0004

■ 53.0112, 33.5810,  
40.4485

■ 57.3479, 39.9634,  
48.9573

■ 62.6767, 48.0779,  
58.5734

■ 69.0593, 58.0409,  
69.3400

■ 76.5525, 69.9586,  
81.2978

■ 85.2086, 83.9292,  
94.4852

# Harmonies

## Analogous

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



42.7373, 22.3641, 46.1094



44.0003, 22.3641, 16.4656



37.9587, 22.3641, 4.0744

# Triad

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



44.0003, 22.3641, 16.4656



11.7380, 22.3641, 2.4792



15.7627, 22.3641, 110.4512

# Complementary

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



44.0003, 22.3641, 16.4656



40.9541, 73.5975, 39.2681

# 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.



10.3525, 22.3641, 74.0762



44.0003, 22.3641, 16.4656



8.5393, 22.3641, 10.8096

# Square

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



44.0003, 22.3641, 16.4656



18.2874, 22.3641, 0.7354



8.1189, 22.3641, 34.4205



24.5306, 22.3641, 116.7282



# Rectangle

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



44.0003, 22.3641, 16.4656



31.4047, 22.3641, 1.5099



8.1189, 22.3641, 34.4205



13.5702, 22.3641, 100.5277

# Sweetspot

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



44.0009, 22.3655, 16.4659



69.0416, 58.0128, 69.3108



29.6448, 13.1984, 95.5924



14.1737, 11.4687, 13.8334



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.



44.0009, 22.3655, 16.4659



43.9983, 22.3633, 16.4550



41.4416, 21.6629, 1.9990



18.3315, 18.1159, 20.3630



23.0612, 11.7138, 8.9728



2.2988, 1.1619, 1.1547



# Inverse Universe

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



44.0009, 22.3655, 16.4659



43.9983, 22.3633, 16.4550



48.6264, 68.3717, 105.2415



18.3315, 18.1159, 20.3630



23.0612, 11.7138, 8.9728



2.2988, 1.1619, 1.1547



# Previews

## White Background



This preview shows how the XYZ color 44.0003, 22.3641, 16.4656 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 44.0003, 22.3641, 16.4656 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 44.0003, 22.3641, 16.4656**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0003, 22.3641, 16.4656.



This preview shows how white text looks on a background with the XYZ color 44.0003, 22.3641,

16.4656.

# 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

44.0003, 22.3641, 16.4656

### Protanopia

22.6981, 22.8284, 36.0109

### Deuteranopia

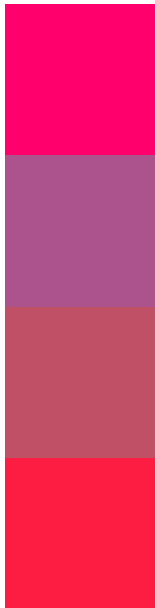
23.1830, 22.7721, 14.7289



## Tritanopia

41.4635, 22.6640, 4.3797

# Trichromacy



## Original Color

44.0003, 22.3641, 16.4656

## Protanomaly

24.9142, 16.8803, 27.1444

## Deuteranomaly

26.7528, 17.7730, 14.5909

## Tritanomaly

41.9066, 22.1065, 7.2125

# Monochromacy



## Original Color

44.0003, 22.3641, 16.4656

## Achromatopsia

9.4954, 9.9899, 10.8790

## Achromatomaly

15.9689, 10.1603, 12.1858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0003, 22.3641, 16.4656 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0003, 22.3641, 16.4656 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, 109) }
```



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

```
.border{ border-color:rgb(255, 0, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0003, 22.3641, 16.4656 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, 109) }
```

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

```
.background{ background-color: rgb(255, 0,  
109) }
```

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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