

Converting Colors

XYZ(44.0768, 21.6710, 49.5653)

Have a look what the booklet for
XYZ(44.0768, 21.6710, 49.5653)
contains.

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Color

**XYZ(44.0022, 21.6354,
49.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00BC
RGB	237, 0, 188
RGB Percent	93%, 0%, 74%
CMY	0.0706, 0.9998, 0.2627
CMYK	0.00, 1.00, 0.21, 0.07
HSL	312°, 100%, 46%
HSV	312°, 100%, 93%
XYZ	44.0022, 21.6354, 49.4338
YIQ	92.2950, 80.9040, 108.7120

Conversions

Conversions Part 2

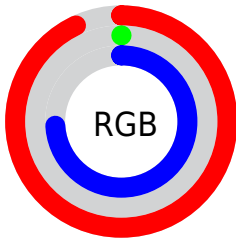
Format	Color
R_{YB}	237, 0, 188
Decimal	15532220
CIE _{Lab}	53.64, 86.63, -33.65
CIE _{LCh}	54, 92.938, 338.773
Yxy	21.6354, 0.3824, 0.1880
Android (android.graphics.Color)	4293722300 (0xFFED00BC)
YUV	92.2950, 47.1826, 126.9063
Hunter-Lab	46.5139, 87.4620, -30.4523

Details

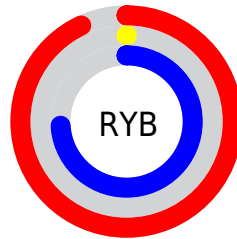
The XYZ color **44.0022, 21.6354, 49.4338** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.8404, 60.7913, 13.0195**, and the grayscale version is **10.1285, 10.6560, 11.6044**.

A 20% lighter version of the original color is **62.1833, 36.7763, 90.2073**, and **22.2076, 10.9513, 23.4976** is the 20% darker color. If you saturate the color by 10%, you get **44.0014, 21.6351, 49.4284**, and if you desaturate by 10%, it is **44.8614, 22.4934, 52.3716**.

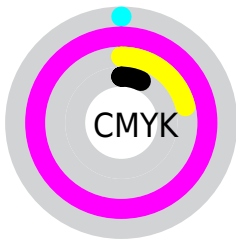
Distribution



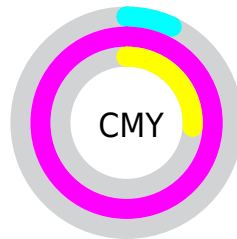
- Red (93%)
- Green (0%)
- Blue (74%)



- Red (93%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0022, 21.6354, 49.4338 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 44.0022, 21.6354, 49.4338 by changing the saturation by 10% instead.


 44.0022, 21.6354,
49.4338


 44.0022, 21.6354,
49.4338

353.5693,
260.6363, 401.1191


 30.8702, 13.5892,
34.5957


 80.4674, 46.1426,
90.7231


 20.6513, 7.8355,
23.0705


 104.5312, 63.3725,
118.0113


 12.9804, 3.9899,
14.4398


 132.9697, 84.4324,
150.2866

 7.4919, 1.6679,
8.2850

 166.1482,
109.7068, 187.9676

 3.8207, 0.4027,
4.1874

 204.4321,
139.5799, 231.4728

 1.6012, 0.0000,
1.7287

248.1866,

 0.3932, 0.0000,

174.4363, 281.2208

0.3803

297.7773,
214.6603, 337.6300

■ 0.0000, 0.0000,
0.0000

■ 44.0022, 21.6354,
49.4338

■ 44.0022, 21.6354,
49.4338

■ 44.0014, 21.6351,
49.4284

■ 44.8614, 22.4934,
52.3716

■ 46.1301, 24.1418,
55.5351

■ 47.9321, 26.8277,
58.9667

■ 50.3404, 30.6964,
62.6914

■ 53.4160, 35.8700,
66.7305

■ 57.2126, 42.4556,
71.1025

■ 61.7782, 50.5488,
75.8244

■ 67.1566, 60.2370,
80.9114

■ 73.3884, 71.6011,
86.3780

Harmonies

Analogous

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



34.9948, 21.6354, 97.1228



44.0022, 21.6354, 49.4338



45.8073, 21.6354, 16.1603

Triad

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



44.0022, 21.6354, 49.4338



17.7860, 21.6354, 0.0439



8.9774, 21.6354, 77.1040

Complementary

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



44.0022, 21.6354, 49.4338



30.8404, 60.7913, 13.0195

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.



6.8735, 21.6354, 32.9241



44.0022, 21.6354, 49.4338



10.7715, 21.6354, 1.4686

Square

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



44.0022, 21.6354, 49.4338



28.2841, 21.6354, 0.4088



7.4031, 21.6354, 8.7830



14.3942, 21.6354, 120.1925

Rectangle

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



44.0022, 21.6354, 49.4338



42.2617, 21.6354, 5.8183



7.4031, 21.6354, 8.7830



7.9538, 21.6354, 60.9172

Sweetspot

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



44.0029, 21.6365, 49.4342



72.8667, 59.5428, 89.4535



16.4793, 6.7303, 80.5518



15.0848, 11.8331, 18.6311



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.



44.0029, 21.6365, 49.4342



51.9324, 25.5370, 58.2353



36.0674, 18.4623, 7.6464



15.5736, 15.2573, 18.3059



24.0721, 11.8315, 27.2445



1.9238, 0.9425, 2.3160

Inverse Universe

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



44.0029, 21.6365, 49.4342



51.9324, 25.5370, 58.2353



37.1601, 63.3191, 46.2987



15.5736, 15.2573, 18.3059



24.0721, 11.8315, 27.2445



1.9238, 0.9425, 2.3160

Previews

White Background



This preview shows how the XYZ color 44.0022, 21.6354, 49.4338 looks on a white background.

Color Contrast Check

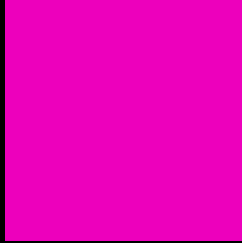
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.0022, 21.6354, 49.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

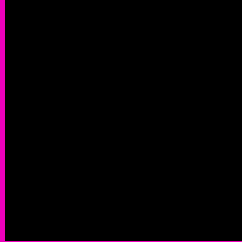
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.0022, 21.6354, 49.4338

Background



This preview shows how black text looks on a background with the XYZ color 44.0022, 21.6354, 49.4338.



This preview shows how white text looks on a background with the XYZ color 44.0022, 21.6354,

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

44.0022, 21.6354, 49.4338

Protanopia

26.6025, 22.5156, 97.5516

Deuteranopia

22.7581, 22.2859, 44.1764



Tritanopia

35.8188, 21.9416, 9.5550

Trichromacy



Original Color

44.0022, 21.6354, 49.4338



Protanomaly

24.6286, 15.2888, 77.2543



Deuteranomaly

25.6779, 16.6537, 45.0411



Tritanomaly

37.2415, 20.3300, 19.1008

Monochromacy



Original Color

44.0022, 21.6354, 49.4338



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0718, 10.6800, 21.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0022, 21.6354, 49.4338 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(237, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 188)  
}
```

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(237, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 44.0022, 21.6354, 49.4338 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(237, 0, 188) }
```


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

```
.border{ border-color:rgb(237, 0, 188) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(237, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0022, 21.6354, 49.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 188) }
```

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

```
.background{ background-color: rgb(237, 0,  
188) }
```

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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