

Converting Colors

XYZ(41.7576, 16.5655, 49.4592)

Have a look what the booklet for
XYZ(41.7576, 16.5655, 49.4592)
contains.

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Color

**XYZ(44.5542, 21.8948,
50.5931)**

Conversions

Conversions Part 1

Format	Color
Hex	EE00BE
RGB	238, 0, 190
RGB Percent	93%, 0%, 75%
CMY	0.0667, 0.9998, 0.2549
CMYK	0.00, 1.00, 0.20, 0.07
HSL	312°, 100%, 47%
HSV	312°, 100%, 93%
XYZ	44.5542, 21.8948, 50.5931
YIQ	92.8220, 80.8580, 109.5460

Conversions

Conversions Part 2

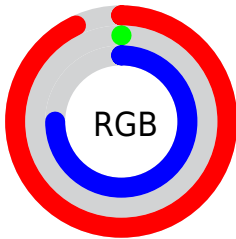
Format	Color
R_{YB}	238, 0, 190
Decimal	15597758
CIE _{Lab}	53.92, 87.05, -34.36
CIE _{LCh}	54, 93.586, 338.457
Yxy	21.8948, 0.3807, 0.1871
Android (android.graphics.Color)	4293787838 (0xFFEE00BE)
YUV	92.8220, 47.9088, 127.3211
Hunter-Lab	46.7919, 88.0780, -31.3522

Details

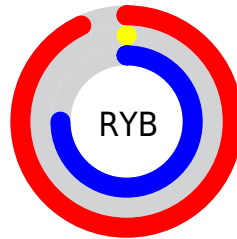
The XYZ color **44.5542, 21.8948, 50.5931** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed rose. A complement of this color would be **31.1097, 61.3636, 13.0057**, and the grayscale version is **10.2477, 10.7814, 11.7410**.

A 20% lighter version of the original color is **62.4903, 36.8991, 91.8243**, and **22.5754, 11.1247, 24.2500** is the 20% darker color. If you saturate the color by 10%, you get **44.5535, 21.8946, 50.5883**, and if you desaturate by 10%, it is **45.4115, 22.7553, 53.5108**.

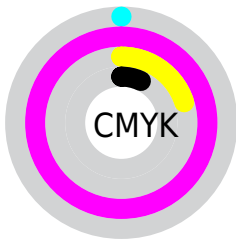
Distribution



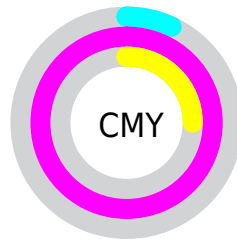
- Red (93%)
- Green (0%)
- Blue (75%)



- Red (93%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5542, 21.8948, 50.5931 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 44.5542, 21.8948, 50.5931 by changing the saturation by 10% instead.


 44.5542, 21.8948,
50.5931


 44.5542, 21.8948,
50.5931


355.7792,
261.9964, 405.7821

 31.3062, 13.7796,
35.5104


 81.2922, 46.5721,
92.4584


 20.9851, 7.9675,
23.7696


 105.5130, 63.9029,
120.0780


 13.2255, 4.0742,
14.9522


 134.1220, 85.0745,
152.7137

 7.6621, 1.7151,
8.6396

 167.4847,
110.4711, 190.7840

 3.9295, 0.4334,
4.4133

 205.9664,
140.4773, 234.7075

 1.6623, 0.0000,
1.8547

249.9325,

 0.4325, 0.0000,

175.4772, 284.9026

0.4637

299.7483,
215.8555, 341.7880

■ 0.0000, 0.0000,
0.0000

■ 44.5542, 21.8948,
50.5931

■ 44.5542, 21.8948,
50.5931

■ 44.5535, 21.8946,
50.5883

■ 45.4115, 22.7553,
53.5108

■ 46.6815, 24.4137,
56.6521

■ 48.4892, 27.1194,
60.0595

■ 50.9083, 31.0192,
63.7583

■ 54.0004, 36.2366,
67.7699

■ 57.8198, 42.8796,
72.1131

■ 62.4150, 51.0449,
76.8048

■ 67.8302, 60.8209,
81.8605

■ 74.1064, 72.2892,
87.2945

Harmonies

Analogous

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



35.3468, 21.8948, 99.1105



44.5542, 21.8948, 50.5931



46.4809, 21.8948, 16.5706

Triad

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



44.5542, 21.8948, 50.5931



18.0873, 21.8948, 0.0272



9.0210, 21.8948, 77.7297

Complementary

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



44.5542, 21.8948, 50.5931



31.1097, 61.3636, 13.0057

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.



6.9209, 21.8948, 32.9736



44.5542, 21.8948, 50.5931



10.9315, 21.8948, 1.4365

Square

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



44.5542, 21.8948, 50.5931



28.7721, 21.8948, 0.4131



7.4844, 21.8948, 8.7111



14.4722, 21.8948, 121.7584

Rectangle

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



44.5542, 21.8948, 50.5931



42.9328, 21.8948, 5.9628



7.4844, 21.8948, 8.7111



7.9954, 21.8948, 61.2920

Sweetspot

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



44.5550, 21.8960, 50.5935



72.9242, 59.5658, 89.7563



16.6350, 6.7936, 81.3241



15.0986, 11.8387, 18.7041



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.



44.5550, 21.8960, 50.5935



52.0866, 25.5986, 59.0474



36.4118, 18.6387, 7.7125



16.3097, 15.9736, 19.1868



24.9038, 12.2340, 28.4737



2.1060, 1.0314, 2.5489

Inverse Universe

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



44.5550, 21.8960, 50.5935



52.0866, 25.5986, 59.0474



37.5147, 63.9256, 46.7338



16.3097, 15.9736, 19.1868



24.9038, 12.2340, 28.4737



2.1060, 1.0314, 2.5489

Previews

White Background



This preview shows how the XYZ color 44.5542, 21.8948, 50.5931 looks on a white background.

Color Contrast Check

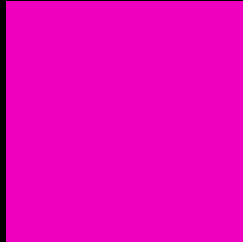
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5542, 21.8948, 50.5931 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 44.5542, 21.8948, 50.5931

Background



This preview shows how black text looks on a background with the XYZ color 44.5542, 21.8948, 50.5931.



This preview shows how white text looks on a background with the XYZ color 44.5542, 21.8948,

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

44.5542, 21.8948, 50.5931

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

23.0886, 22.6279, 45.2702



Tritanopia

36.2405, 22.2547, 9.7826

Trichromacy



Original Color

44.5542, 21.8948, 50.5931



Protanomaly

24.9002, 15.4288, 77.2670



Deuteranomaly

25.9580, 16.8856, 46.1471



Tritanomaly

37.6654, 20.6016, 19.4441

Monochromacy



Original Color

44.5542, 21.8948, 50.5931



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3143, 10.7974, 21.5936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5542, 21.8948, 50.5931 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(238, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 190)  
}
```

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(238, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 44.5542, 21.8948, 50.5931 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(238, 0, 190) }
```


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

```
.border{ border-color:rgb(238, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5542, 21.8948, 50.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 190) }
```

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

```
.background{ background-color: rgb(238, 0,  
190) }
```

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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