

Converting Colors

XYZ(43.9236, 22.4829, 50.1799)

Have a look what the booklet for
XYZ(43.9236, 22.4829, 50.1799)
contains.

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Color

**XYZ(44.0473, 22.5384,
50.1729)**

Conversions

Conversions Part 1

Format	Color
Hex	EB23BD
RGB	235, 35, 189
RGB Percent	92%, 14%, 74%
CMY	0.0784, 0.8627, 0.2588
CMYK	0.00, 0.85, 0.20, 0.08
HSL	314°, 83%, 53%
HSV	314°, 85%, 92%
XYZ	44.0473, 22.5384, 50.1729
YIQ	112.3560, 69.7660, 90.2940

Conversions

Conversions Part 2

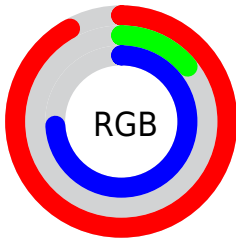
Format	Color
R _Y B	235, 35, 189
Decimal	15410109
CIE Lab	54.59, 82.65, -32.76
CIE LCh	55, 88.903, 338.374
Yxy	22.5384, 0.3773, 0.1930
Android (android.graphics.Color)	4293600189 (0xFFEB23BD)
YUV	112.3560, 37.7855, 107.5588
Hunter-Lab	47.4746, 82.5330, -29.4276

Details

The XYZ color **44.0473, 22.5384, 50.1729** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **31.8882, 60.3690, 17.7600**, and the grayscale version is **15.3866, 16.1879, 17.6286**.

A 20% lighter version of the original color is **63.2371, 38.6389, 91.3139**, and **21.8287, 10.7479, 23.8457** is the 20% darker color. If you saturate the color by 10%, you get **42.9962, 21.3574, 46.9813**, and if you desaturate by 10%, it is **45.5837, 24.6543, 53.6345**.

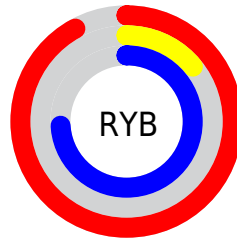
Distribution



Red (92%)

Green (14%)

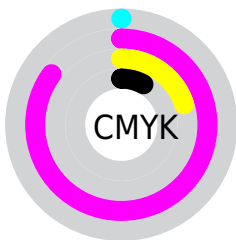
Blue (74%)



Red (92%)

Yellow (14%)

Blue (74%)

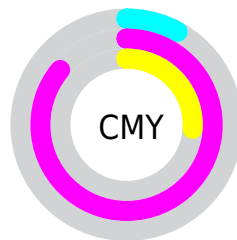


Cyan (0%)

Magenta (85%)

Yellow (20%)

Black (8%)



Cyan (8%)


Magenta (86%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0473, 22.5384, 50.1729 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 44.0473, 22.5384, 50.1729 by changing the saturation by 10% instead.


 44.0473, 22.5384,
50.1729


 44.0473, 22.5384,
50.1729

353.7502,
265.3452, 404.0961

 30.9058, 14.2530,
35.1787


 80.5348, 47.6343,
91.8299


 20.6786, 8.2969,
23.5159


 104.6115, 65.2135,
119.3298


 13.0004, 4.2855,
14.7660


 133.0640, 86.6596,
151.8353

 7.5058, 1.8345,
8.5105

 166.2576,
112.3568, 189.7650

 3.8295, 0.5085,
4.3309

 204.5576,
142.6896, 233.5374

 1.6061, 0.0000,
1.8086

248.3295,

 0.3964, 0.0000,

178.0423, 283.5710

0.4336

297.9386,
218.7994, 340.2844

■ 0.0000, 0.0000,
0.0000

■ 44.0473, 22.5384,
50.1729

■ 44.0473, 22.5384,
50.1729

■ 42.9962, 21.3574,
46.9813

■ 45.5837, 24.6543,
53.6345

■ 42.5960, 20.9962,
45.4943

■ 47.6831, 27.8610,
57.3926

■ 50.4114, 32.2897,
61.4706

■ 53.8245, 38.0520,
65.8881

■ 57.9721, 45.2469,
70.6628

62.8992, 53.9640,
75.8108

68.6471, 64.2856,
81.3469

75.2542, 76.2880,
87.2849

82.7563, 90.0426,
93.6379

Harmonies

Analogous

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



35.3207, 22.5384, 95.4486



44.0473, 22.5384, 50.1729



45.8857, 22.5384, 17.5124

Triad

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



44.0473, 22.5384, 50.1729



18.8022, 22.5384, 0.4315



9.8159, 22.5384, 75.3495

Complementary

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



44.0473, 22.5384, 50.1729



31.8882, 60.3690, 17.7600

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.



7.6978, 22.5384, 33.2348



44.0473, 22.5384, 50.1729



11.7520, 22.5384, 1.9154

Square

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



44.0473, 22.5384, 50.1729



29.1140, 22.5384, 0.8027



8.2787, 22.5384, 9.5782



15.2204, 22.5384, 116.1574

Rectangle

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



44.0473, 22.5384, 50.1729



42.5541, 22.5384, 6.8294



8.2787, 22.5384, 9.5782



8.7842, 22.5384, 59.9932

Sweetspot

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



44.0481, 22.5396, 50.1733



75.0641, 63.8026, 90.6020



18.7675, 8.8358, 79.3140



15.6091, 12.8436, 18.9234



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.



44.0481, 22.5396, 50.1733



51.2431, 25.2612, 54.6054



36.7805, 19.6326, 11.9030



15.5580, 15.2510, 18.2235



23.7576, 11.7057, 25.5886



1.9016, 0.9336, 2.1991

Inverse Universe

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



44.0481, 22.5396, 50.1733



51.2431, 25.2612, 54.6054



38.4722, 63.0026, 52.4312



15.5580, 15.2510, 18.2235



23.7576, 11.7057, 25.5886



1.9016, 0.9336, 2.1991

Previews

White Background



This preview shows how the XYZ color 44.0473, 22.5384, 50.1729 looks on a white background.

Color Contrast Check

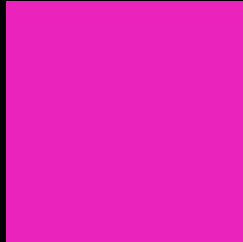
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.0473, 22.5384, 50.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

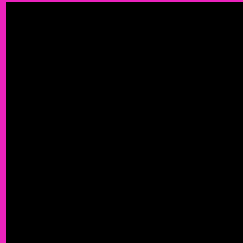
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.0473, 22.5384, 50.1729

Background



This preview shows how black text looks on a background with the XYZ color 44.0473, 22.5384, 50.1729.



This preview shows how white text looks on a background with the XYZ color 44.0473, 22.5384,

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

44.0473, 22.5384, 50.1729

Protanopia

27.2149, 23.2110, 97.6535

Deuteranopia

23.3574, 22.7664, 45.2828



Tritanopia

35.8329, 22.5462, 10.8507

Trichromacy



Original Color

44.0473, 22.5384, 50.1729



Protanomaly

26.1722, 17.7680, 77.6514



Deuteranomaly

27.2336, 19.1389, 46.5148



Tritanomaly

37.6593, 21.7299, 20.6218

Monochromacy



Original Color

44.0473, 22.5384, 50.1729



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.8086, 15.4022, 26.6344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0473, 22.5384, 50.1729 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(235, 35, 189)` looks like.

```
.text, #text, p{  
    color:rgb(235, 35, 189)  
}
```

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(235, 35, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 35, 189) }
```

Border

The CSS property to change the border of an element to XYZ 44.0473, 22.5384, 50.1729 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(235, 35, 189) }
```


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

```
.border{ border-color:rgb(235, 35, 189) }
```

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

Here you see how a box with a 4 pixel rgb(235, 35, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 35, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 35, 189);  
box-shadow:4px 4px 4px 4px rgb(235, 35,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0473, 22.5384, 50.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 35, 189) }
```

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

```
.background{ background-color: rgb(235, 35,  
189) }
```

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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