

Converting Colors

XYZ(47.5610, 23.5787, 44.6922)

Have a look what the booklet for
XYZ(47.5610, 23.5787, 44.6922)
contains.

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Color

**XYZ(47.5610, 23.5787,
44.6922)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00B3
RGB	250, 0, 179
RGB Percent	98%, 0%, 70%
CMY	0.0196, 0.9998, 0.2980
CMYK	0.00, 1.00, 0.28, 0.02
HSL	317°, 100%, 49%
HSV	317°, 100%, 98%
XYZ	47.5610, 23.5787, 44.6922
YIQ	95.1560, 91.5410, 108.6690

Conversions

Conversions Part 2

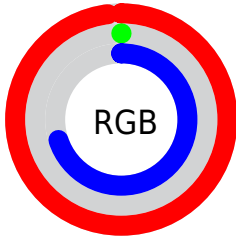
Format	Color
R_{YB}	250, 0, 179
Decimal	16384179
CIE _{Lab}	55.66, 88.06, -25.08
CIE _{LCh}	56, 91.561, 344.105
Yxy	23.5787, 0.4106, 0.2036
Android (android.graphics.Color)	4294574259 (0xFFFA00B3)
YUV	95.1560, 41.3351, 135.7982
Hunter-Lab	48.5579, 89.8590, -20.5794

Details

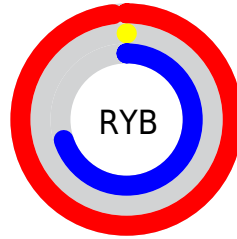
The XYZ color **47.5610, 23.5787, 44.6922** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **35.3256, 68.8274, 17.3944**, and the grayscale version is **10.8114, 11.3744, 12.3867**.

A 20% lighter version of the original color is **60.8891, 36.5655, 82.4459**, and **24.5049, 12.1977, 20.8015** is the 20% darker color. If you saturate the color by 10%, you get **47.5594, 23.5780, 44.6834**, and if you desaturate by 10%, it is **48.6471, 24.5713, 48.6900**.

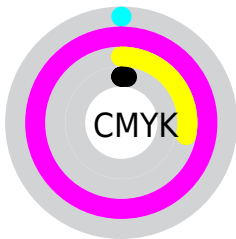
Distribution



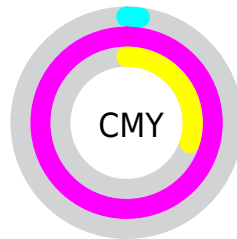
- Red (98%)
- Green (0%)
- Blue (70%)



- Red (98%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5610, 23.5787, 44.6922 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 47.5610, 23.5787, 44.6922 by changing the saturation by 10% instead.


 47.5610, 23.5787,
44.6922

 47.5610, 23.5787,
44.6922


367.6610,
270.6836, 381.6492

 33.6892, 15.0214,
30.8739


 85.7641, 49.3418,
83.5719


 22.8167, 8.8344,
20.2452


 110.8260, 67.3164,
109.4703


 14.5781, 4.6333,
12.3875


 140.3487, 89.1989,
140.2325

 8.6082, 2.0338,
6.8824

 174.6976,
115.3737, 176.2771

 4.5416, 0.6270,
3.3114

 214.2378,
146.2252, 218.0225

 2.0129, 0.0000,
1.2557

259.3349,

 0.6412, 0.0000,

182.1377, 265.8873

0.0251

310.3542,
223.4957, 320.2900

■ 0.0000, 0.0000,
0.0000

■ 47.5610, 23.5787,
44.6922

■ 47.5610, 23.5787,
44.6922

■ 47.5594, 23.5780,
44.6834

■ 48.6471, 24.5713,
48.6900

■ 50.2159, 26.4697,
53.0337

■ 52.4056, 29.5486,
57.7722

■ 55.2996, 33.9747,
62.9358

■ 58.9682, 39.8874,
68.5505

■ 63.4728, 47.4087,
74.6391

■ 68.8686, 56.6481,
81.2225

■ 75.2057, 67.7054,
88.3197

■ 82.5305, 80.6725,
95.9485

Harmonies

Analogous

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



39.3388, 23.5787, 92.3333



47.5610, 23.5787, 44.6922



47.8277, 23.5787, 14.1251

Triad

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



47.5610, 23.5787, 44.6922



17.8967, 23.5787, 0.5013



10.9304, 23.5787, 89.4037

Complementary

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



47.5610, 23.5787, 44.6922



35.3256, 68.8274, 17.3944

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.



8.1068, 23.5787, 42.2447



47.5610, 23.5787, 44.6922



11.2055, 23.5787, 2.6296

Square

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



47.5610, 23.5787, 44.6922



28.3241, 23.5787, 0.5531



8.1889, 23.5787, 12.9994



17.3838, 23.5787, 128.9817

Rectangle

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



47.5610, 23.5787, 44.6922



43.2936, 23.5787, 5.1265



8.1889, 23.5787, 12.9994



9.6282, 23.5787, 72.8139

Sweetspot

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



47.5618, 23.5800, 44.6926



72.0065, 59.1987, 84.9237



19.8454, 8.2383, 90.9868



14.8779, 11.7504, 17.5415



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.



47.5618, 23.5800, 44.6926



49.7418, 24.6607, 46.7000



40.0959, 20.5937, 5.3780



17.7705, 17.4355, 20.6470



25.2919, 12.5325, 24.0433



2.3880, 1.1789, 2.4664

Inverse Universe

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



47.5618, 23.5800, 44.6926



49.7418, 24.6607, 46.7000



44.1327, 72.3502, 63.7718



17.7705, 17.4355, 20.6470



25.2919, 12.5325, 24.0433



2.3880, 1.1789, 2.4664

Previews

White Background



This preview shows how the XYZ color 47.5610, 23.5787, 44.6922 looks on a white background.

Color Contrast Check

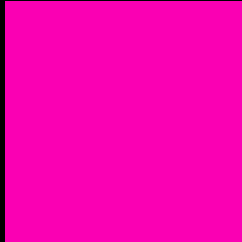
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5610, 23.5787, 44.6922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

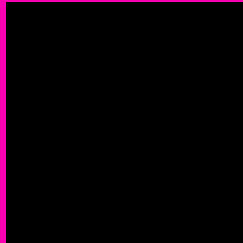
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.5610, 23.5787, 44.6922

Background



This preview shows how black text looks on a background with the XYZ color 47.5610, 23.5787, 44.6922.



This preview shows how white text looks on a background with the XYZ color 47.5610, 23.5787,

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

47.5610, 23.5787, 44.6922

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

24.5864, 24.1178, 39.9186



Tritanopia

40.1072, 23.8781, 8.9736

Trichromacy



Original Color

47.5610, 23.5787, 44.6922



Protanomaly

26.7899, 16.8009, 74.5040



Deuteranomaly

27.9766, 18.2796, 40.5819



Tritanomaly

41.5192, 22.4591, 17.4760

Monochromacy



Original Color

47.5610, 23.5787, 44.6922



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1443, 11.3174, 20.9668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5610, 23.5787, 44.6922 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(250, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 179)  
}
```

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(250, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 47.5610, 23.5787, 44.6922 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(250, 0, 179) }
```


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

```
.border{ border-color:rgb(250, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5610, 23.5787, 44.6922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 179) }
```

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

```
.background{ background-color: rgb(250, 0,  
179) }
```

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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