

Converting Colors

XYZ(47.2959, 23.3645, 48.2073)

Have a look what the booklet for
XYZ(47.2959, 23.3645, 48.2073)
contains.

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Color

**XYZ(47.2207, 23.3193,
48.4666)**

Conversions

Conversions Part 1

Format	Color
Hex	F700BA
RGB	247, 0, 186
RGB Percent	97%, 0%, 73%
CMY	0.0314, 0.9998, 0.2706
CMYK	0.00, 1.00, 0.25, 0.03
HSL	315°, 100%, 48%
HSV	315°, 100%, 97%
XYZ	47.2207, 23.3193, 48.4666
YIQ	95.0570, 87.5060, 110.2100

Conversions

Conversions Part 2

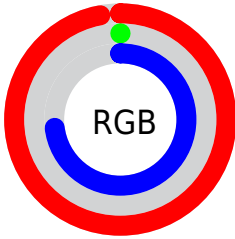
Format	Color
R_{YB}	247, 0, 186
Decimal	16187578
CIE _{Lab}	55.40, 88.25, -29.60
CIE _{LCh}	55, 93.081, 341.456
Yxy	23.3193, 0.3968, 0.1959
Android (android.graphics.Color)	4294377658 (0xFFFF700BA)
YUV	95.0570, 44.8349, 133.2540
Hunter-Lab	48.2901, 90.0396, -25.7037

Details

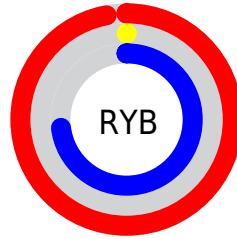
The XYZ color **47.2207, 23.3193, 48.4666** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **34.1053, 66.8597, 15.5299**, and the grayscale version is **10.7793, 11.3407, 12.3500**.

A 20% lighter version of the original color is **61.8242, 36.7851, 87.8461**, and **24.1724, 11.9802, 22.8682** is the 20% darker color. If you saturate the color by 10%, you get **47.2196, 23.3189, 48.4597**, and if you desaturate by 10%, it is **48.2260, 24.2692, 52.0708**.

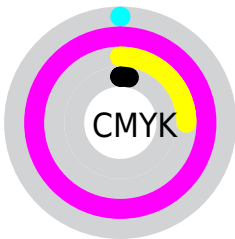
Distribution



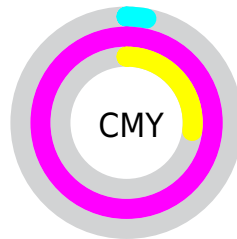
- Red (97%)
- Green (0%)
- Blue (73%)



- Red (97%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2207, 23.3193, 48.4666 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 47.2207, 23.3193, 48.4666 by changing the saturation by 10% instead.

 47.2207, 23.3193,
48.4666


 47.2207, 23.3193,
48.4666

366.3290,
269.3608, 397.2006


 33.4188, 14.8295,
33.8339


 85.2597, 48.9171,
89.2715

 22.6083, 8.6998,
22.4897


 110.2276, 66.7938,
116.2808


 14.4236, 4.5459,
14.0154


 139.6481, 88.5683,
148.2527

 8.4996, 1.9834,
7.9925

 173.8867,
114.6249, 185.6058

 4.4707, 0.5978,
4.0025

 213.3088,
145.3481, 228.7586

 1.9717, 0.0000,
1.6267

258.2796,

 0.6180, 0.0000,

181.1222, 278.1296

0.3098

309.1646,
222.3316, 334.1374

■ 0.0000, 0.0000,
0.0000

■ 47.2207, 23.3193,
48.4666

■ 47.2207, 23.3193,
48.4666

■ 47.2196, 23.3189,
48.4597

■ 48.2260, 24.2692,
52.0708

■ 49.6917, 26.0954,
55.9667

■ 51.7525, 29.0664,
60.2009

■ 54.4892, 33.3433,
64.8020

■ 57.9699, 39.0616,
69.7941

■ 62.2539, 46.3398,
75.1987

■ 67.3946, 55.2839,
81.0350

■ 73.4407, 65.9908,
87.3207

■ 80.4369, 78.5497,
94.0723

Harmonies

Analogous

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



38.3223, 23.3193, 97.6398



47.2207, 23.3193, 48.4666



48.2943, 23.3193, 15.5836

Triad

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



47.2207, 23.3193, 48.4666



18.4053, 23.3193, 0.2999



10.2503, 23.3193, 85.7940

Complementary

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



47.2207, 23.3193, 48.4666



34.1053, 66.8597, 15.5299

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.



7.7194, 23.3193, 38.6336



47.2207, 23.3193, 48.4666



11.3382, 23.3193, 2.0657

Square

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



47.2207, 23.3193, 48.4666



29.1953, 23.3193, 0.5082



8.0424, 23.3193, 11.1249



16.3638, 23.3193, 128.4944

Rectangle

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



47.2207, 23.3193, 48.4666



44.1265, 23.3193, 5.6345



8.0424, 23.3193, 11.1249



9.0544, 23.3193, 68.8653

Sweetspot

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



47.2215, 23.3206, 48.4670



72.4154, 59.3623, 87.0769



18.5151, 7.6063, 88.4884



14.9761, 11.7897, 18.0587



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.



47.2215, 23.3206, 48.4670



50.7556, 25.0663, 52.0387



39.3391, 20.1676, 6.9589



17.0284, 16.6942, 19.8964



25.0322, 12.3563, 25.9416



2.2406, 1.1022, 2.4936

Inverse Universe

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



47.2215, 23.3206, 48.4670



50.7556, 25.0663, 52.0387



41.6172, 69.8644, 55.0872



17.0284, 16.6942, 19.8964



25.0322, 12.3563, 25.9416



2.2406, 1.1022, 2.4936

Previews

White Background



This preview shows how the XYZ color 47.2207, 23.3193, 48.4666 looks on a white background.

Color Contrast Check

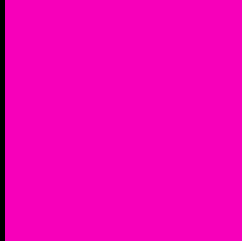
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2207, 23.3193, 48.4666 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 47.2207, 23.3193, 48.4666

Background



This preview shows how black text looks on a background with the XYZ color 47.2207, 23.3193, 48.4666.



This preview shows how white text looks on a background with the XYZ color 47.2207, 23.3193,

48.4666.

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

47.2207, 23.3193, 48.4666

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.4954, 23.9941, 43.3847



Tritanopia

39.3187, 23.6516, 9.5141

Trichromacy



Original Color

47.2207, 23.3193, 48.4666



Protanomaly

26.7363, 16.7250, 76.6820



Deuteranomaly

27.7838, 18.1010, 44.1490



Tritanomaly

40.8058, 22.1156, 18.9477

Monochromacy



Original Color

47.2207, 23.3193, 48.4666



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0898, 11.2743, 21.6448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2207, 23.3193, 48.4666 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(247, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 186)  
}
```

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(247, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 47.2207, 23.3193, 48.4666 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(247, 0, 186) }
```


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

```
.border{ border-color:rgb(247, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2207, 23.3193, 48.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 186) }
```

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

```
.background{ background-color: rgb(247, 0,  
186) }
```

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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