

Converting Colors

XYZ(47.0187, 23.7377, 58.1404)

Have a look what the booklet for
XYZ(47.0187, 23.7377, 58.1404)
contains.

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Color

**XYZ(47.0858, 23.7695,
57.9834)**

Conversions

Conversions Part 1

Format	Color
Hex	F01FCA
RGB	240, 31, 202
RGB Percent	94%, 12%, 79%
CMY	0.0588, 0.8784, 0.2078
CMYK	0.00, 0.87, 0.16, 0.06
HSL	311°, 87%, 53%
HSV	311°, 87%, 94%
XYZ	47.0858, 23.7695, 57.9834
YIQ	112.9850, 69.6730, 97.4890

Conversions

Conversions Part 2

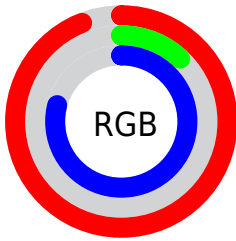
Format	Color
R _Y B	240, 31, 202
Decimal	15736778
CIE Lab	55.86, 85.90, -38.22
CIE LCh	56, 94.022, 336.014
Yxy	23.7695, 0.3655, 0.1845
Android (android.graphics.Color)	4293926858 (0xFFFF01FCA)
YUV	112.9850, 43.8844, 111.3922
Hunter-Lab	48.7540, 87.0730, -36.3862

Details

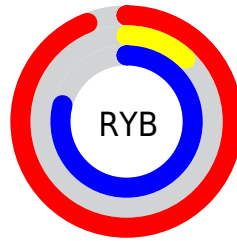
The XYZ color **47.0858, 23.7695, 57.9834** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **32.8008, 63.0421, 16.0732**, and the grayscale version is **15.5545, 16.3646, 17.8210**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **23.8569, 11.6903, 28.6028** is the 20% darker color. If you saturate the color by 10%, you get **46.1627, 22.7382, 55.1623**, and if you desaturate by 10%, it is **48.4875, 25.7337, 61.0365**.

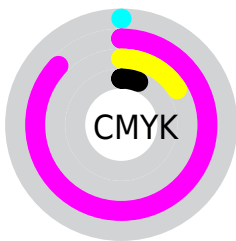
Distribution



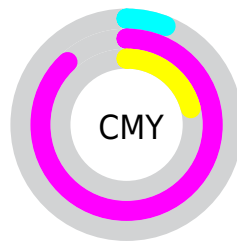
- Red (94%)
- Green (12%)
- Blue (79%)



- Red (94%)
- Yellow (12%)
- Blue (79%)



- Cyan (0%)
- Magenta (87%)
- Yellow (16%)
- Black (6%)





- Cyan (6%)
- Magenta (88%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0858, 23.7695, 57.9834 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 47.0858, 23.7695, 57.9834 by changing the saturation by 10% instead.

 47.0858, 23.7695,
57.9834


 47.0858, 23.7695,
57.9834

365.8001,
271.6531, 434.7206


 33.3117, 15.1627,
41.3807

 85.0596, 49.6538,
103.4132


 22.5257, 8.9337,
28.2947


 109.9901, 67.7001,
133.0774

 14.3625, 4.6979,
18.3070

 139.3701, 89.6617,
167.9325

 8.4566, 2.0711,
10.9989

 173.5649,
115.9230, 208.3971

 4.4427, 0.6483,
5.9519

 212.9400,
146.8684, 254.8896

 1.9555, 0.0000,
2.7476

257.8607,

 0.6088, 0.0000,

182.8823, 307.8287

0.9672

308.6922,
224.3490, 367.6328

■ 0.0000, 0.0000,
0.0000

■ 47.0858, 23.7695,
57.9834

■ 47.0858, 23.7695,
57.9834

■ 46.1627, 22.7382,
55.1623

■ 48.4875, 25.7337,
61.0365

■ 45.9402, 22.5273,
54.3664

■ 50.4567, 28.8099,
64.3513

■ 53.0654, 33.1411,
67.9524

■ 56.3739, 38.8481,
71.8607

■ 60.4356, 46.0374,
76.0945

65.2987, 54.8052,
80.6703

71.0073, 65.2393,
85.6034

77.6021, 77.4213,
90.9080

85.1213, 91.4273,
96.5972

Harmonies

Analogous

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



36.9777, 23.7695, 108.7873



47.0858, 23.7695, 57.9834



49.8523, 23.7695, 20.1848

Triad

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



47.0858, 23.7695, 57.9834



20.5042, 23.7695, 0.1957



9.7020, 23.7695, 78.2879

Complementary

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



47.0858, 23.7695, 57.9834



32.8008, 63.0421, 16.0732

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.



7.6864, 23.7695, 32.5590



47.0858, 23.7695, 57.9834



12.5254, 23.7695, 1.4901

Square

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



47.0858, 23.7695, 57.9834



32.0304, 23.7695, 0.7272



8.5259, 23.7695, 8.5576



15.2181, 23.7695, 125.6733

Rectangle

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



47.0858, 23.7695, 57.9834



46.5852, 23.7695, 7.6848



8.5259, 23.7695, 8.5576



8.6877, 23.7695, 61.2818

Sweetspot

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



47.0866, 23.7707, 57.9838



75.5424, 63.9940, 93.1204



18.4555, 8.4254, 83.0921



15.7239, 12.8895, 19.5282



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.



47.0866, 23.7707, 57.9838



52.7031, 25.8452, 62.2936



38.7593, 20.4398, 14.1324



16.3237, 15.9792, 19.2611



25.1938, 12.3500, 30.0008



2.1276, 1.0401, 2.6630

Inverse Universe

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



47.0866, 23.7707, 57.9838



52.7031, 25.8452, 62.2936



39.0139, 65.5274, 48.7912



16.3237, 15.9792, 19.2611



25.1938, 12.3500, 30.0008



2.1276, 1.0401, 2.6630

Previews

White Background



This preview shows how the XYZ color 47.0858, 23.7695, 57.9834 looks on a white background.

Color Contrast Check

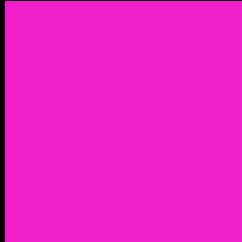
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0858, 23.7695, 57.9834 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 47.0858, 23.7695, 57.9834

Background



This preview shows how black text looks on a background with the XYZ color 47.0858, 23.7695, 57.9834.



This preview shows how white text looks on a background with the XYZ color 47.0858, 23.7695,

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

47.0858, 23.7695, 57.9834

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.6212, 24.0702, 52.0635



Tritanopia

37.4878, 23.7141, 11.8340

Trichromacy



Original Color

47.0858, 23.7695, 57.9834



Protanomaly

28.0451, 18.6507, 81.4787



Deuteranomaly

28.4177, 19.7344, 53.3503



Tritanomaly

39.7275, 22.7442, 23.0651

Monochromacy



Original Color

47.0858, 23.7695, 57.9834



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.5022, 15.6018, 28.6135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0858, 23.7695, 57.9834 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(240, 31, 202)` looks like.

```
.text, #text, p{  
    color:rgb(240, 31, 202)  
}
```

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(240, 31, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 31, 202) }
```

Border

The CSS property to change the border of an element to XYZ 47.0858, 23.7695, 57.9834 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(240, 31, 202) }
```


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

```
.border{ border-color:rgb(240, 31, 202) }
```

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

Here you see how a box with a 4 pixel rgb(240, 31, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 31, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 31, 202);  
box-shadow:4px 4px 4px 4px rgb(240, 31,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0858, 23.7695, 57.9834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 31, 202) }
```

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

```
.background{ background-color: rgb(240, 31,  
202) }
```

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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