

Converting Colors

XYZ(47.6906, 23.2157, 64.1161)

Have a look what the booklet for
XYZ(47.6906, 23.2157, 64.1161)
contains.

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Color

**XYZ(47.8188, 23.2787,
64.2603)**

Conversions

Conversions Part 1

Format	Color
Hex	F000D4
RGB	240, 0, 212
RGB Percent	94%, 0%, 83%
CMY	0.0588, 0.9998, 0.1686
CMYK	0.00, 1.00, 0.12, 0.06
HSL	307°, 100%, 47%
HSV	307°, 100%, 94%
XYZ	47.8188, 23.2787, 64.2603
YIQ	95.9280, 74.9880, 116.8120

Conversions

Conversions Part 2

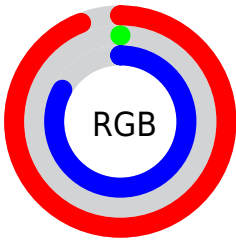
Format	Color
R _Y B	240, 0, 212
Decimal	15728852
CIE Lab	55.36, 90.09, -44.73
CIE LCh	55, 100.585, 333.596
Yxy	23.2787, 0.3533, 0.1720
Android (android.graphics.Color)	4293918932 (0xFFFF00D4)
YUV	95.9280, 57.2235, 126.3511
Hunter-Lab	48.2480, 92.4781, -45.1933

Details

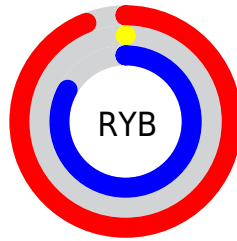
The XYZ color **47.8188, 23.2787, 64.2603** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **31.3710, 62.4050, 11.4934**, and the grayscale version is **10.9603, 11.5310, 12.5573**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.6762, 12.0180, 32.9174** is the 20% darker color. If you saturate the color by 10%, you get **47.8185, 23.2786, 64.2571**, and if you desaturate by 10%, it is **48.5032, 24.0766, 66.2468**.

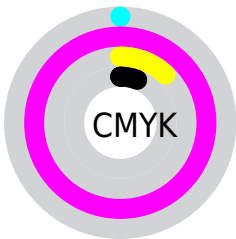
Distribution



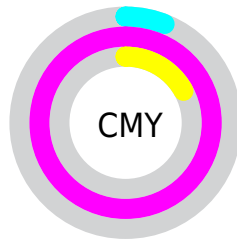
- Red (94%)
- Green (0%)
- Blue (83%)



- Red (94%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8188, 23.2787, 64.2603 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 47.8188, 23.2787, 64.2603 by changing the saturation by 10% instead.

 47.8188, 23.2787,
64.2603


 47.8188, 23.2787,
64.2603

368.6680,
269.1532, 458.3623

 33.8941, 14.7994,
46.4140


 86.1459, 48.8505,
112.5888


 22.9747, 8.6787,
32.2216


 111.2789, 66.7119,
143.9081

 14.6954, 4.5322,
21.2646


 140.8788, 88.4694,
180.5554

 8.6908, 1.9755,
13.1244

 175.3109,
114.5075, 222.9494

 4.5956, 0.5932,
7.3826

 214.9405,
145.2105, 271.5085

 2.0443, 0.0000,
3.6204

260.1330,

 0.6586, 0.0000,

180.9629, 326.6514

1.4195

311.2537,
222.1490, 388.7964

■ 0.0000, 0.0000,
0.1569

■ 0.0000, 0.0000,
0.0000

■ 47.8188, 23.2787,
64.2603

■ 47.8188, 23.2787,
64.2603

■ 47.8185, 23.2786,
64.2571

■ 48.5032, 24.0766,
66.2468

■ 49.5970, 25.6841,
68.4001

■ 51.2273, 28.3546,
70.7627

■ 53.4691, 32.2380,
73.3598

■ 56.3853, 37.4603,
76.2126

■ 60.0310, 44.1318,
79.3395

■ 64.4558, 52.3511,
82.7572

■ 69.7046, 62.2084,
86.4808

■ 75.8191, 73.7868,
90.5244

Harmonies

Analogous

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



36.4413, 23.2787, 120.3959



47.8188, 23.2787, 64.2603



51.6295, 23.2787, 21.6438

Triad

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



47.8188, 23.2787, 64.2603



20.7919, 23.2787, 0.0000



8.5228, 23.2787, 77.6534

Complementary

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



47.8188, 23.2787, 64.2603



31.3710, 62.4050, 11.4934

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.



6.7631, 23.2787, 29.4492



47.8188, 23.2787, 64.2603



12.1569, 23.2787, 0.8154

Square

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



47.8188, 23.2787, 64.2603



33.2504, 23.2787, 0.3743



7.8222, 23.2787, 6.5341



13.8086, 23.2787, 131.7538

Rectangle

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



47.8188, 23.2787, 64.2603



48.5741, 23.2787, 7.7173



7.8222, 23.2787, 6.5341



7.5996, 23.2787, 59.2629

Sweetspot

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



47.8197, 23.2799, 64.2607



73.9059, 59.9585, 94.9256



16.2088, 6.5397, 82.8467



15.3361, 11.9337, 19.9543



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.



47.8197, 23.2799, 64.2607



54.8639, 26.7096, 73.6727



37.8689, 19.2996, 11.8609



16.3702, 15.9978, 19.5056



26.2087, 12.7559, 35.3452



2.2026, 1.0701, 3.0578

Inverse Universe

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



47.8197, 23.2799, 64.2607



54.8639, 26.7096, 73.6727



36.5076, 64.4596, 38.5421



16.3702, 15.9978, 19.5056



26.2087, 12.7559, 35.3452



2.2026, 1.0701, 3.0578

Previews

White Background



This preview shows how the XYZ color 47.8188, 23.2787, 64.2603 looks on a white background.

Color Contrast Check

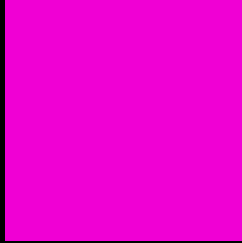
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.8188, 23.2787, 64.2603 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 47.8188, 23.2787, 64.2603

Background



This preview shows how black text looks on a background with the XYZ color 47.8188, 23.2787, 64.2603.



This preview shows how white text looks on a background with the XYZ color 47.8188, 23.2787,

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

47.8188, 23.2787, 64.2603

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.5220, 23.9018, 57.3539



Tritanopia

37.1678, 23.5491, 11.8190

Trichromacy



Original Color

47.8188, 23.2787, 64.2603



Protanomaly

27.4256, 16.9305, 83.4838



Deuteranomaly

27.4740, 17.7267, 59.1003



Tritanomaly

39.1110, 21.5633, 24.2911

Monochromacy



Original Color

47.8188, 23.2787, 64.2603



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.4689, 11.4684, 25.2850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8188, 23.2787, 64.2603 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, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 212)  
}
```

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, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.8188, 23.2787, 64.2603 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, 0, 212) }
```


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

```
.border{ border-color:rgb(240, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8188, 23.2787, 64.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 212) }
```

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

```
.background{ background-color: rgb(240, 0,  
212) }
```

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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