

Converting Colors

XYZ(46.9492, 22.8310, 65.5819)

Have a look what the booklet for
XYZ(46.9492, 22.8310, 65.5819)
contains.

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Color

**XYZ(47.0844, 22.9030,
65.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	ED02D6
RGB	237, 2, 214
RGB Percent	93%, 1%, 84%
CMY	0.0706, 0.9920, 0.1608
CMYK	0.00, 0.99, 0.10, 0.07
HSL	306°, 98%, 47%
HSV	306°, 99%, 93%
XYZ	47.0844, 22.9030, 65.5574
YIQ	96.4330, 72.0080, 115.7520

Conversions

Conversions Part 2

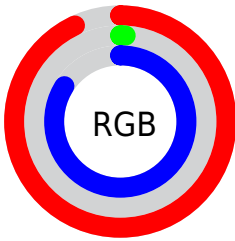
Format	Color
R _{YB}	237, 2, 214
Decimal	15532758
CIE _{Lab}	54.97, 89.71, -46.52
CIE _{LCh}	55, 101.052, 332.592
Yxy	22.9030, 0.3474, 0.1690
Android (android.graphics.Color)	4293722838 (0xFFED02D6)
YUV	96.4330, 57.9605, 123.2773
Hunter-Lab	47.8571, 91.8681, -47.7189

Details

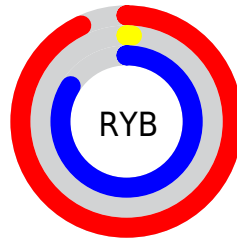
The XYZ color **47.0844, 22.9030, 65.5574** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **30.4860, 60.6526, 11.0225**, and the grayscale version is **11.0807, 11.6577, 12.6953**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.1625, 11.7333, 33.7921** is the 20% darker color. If you saturate the color by 10%, you get **47.0376, 22.8496, 65.4160**, and if you desaturate by 10%, it is **47.7253, 23.7066, 67.2436**.

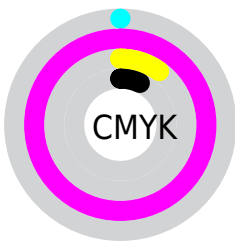
Distribution



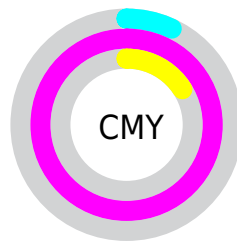
- Red (93%)
- Green (1%)
- Blue (84%)



- Red (93%)
- Yellow (1%)
- Blue (84%)



- Cyan (0%)
- Magenta (99%)
- Yellow (10%)
- Black (7%)



- Cyan (7%)
- Magenta (99%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0844, 22.9030, 65.5574 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 47.0844, 22.9030, 65.5574 by changing the saturation by 10% instead.

47.0844, 22.9030,
65.5574

47.0844, 22.9030,
65.5574

365.7946,
267.2264, 463.1533

33.3106, 14.5219,
47.4590

85.0576, 48.2340,
114.4718

22.5249, 8.4845,
33.0417

109.9877, 65.9527,
146.1248

14.3618, 4.4065,
21.8870

139.3672, 87.5527,
183.1332

8.4561, 1.9035,
13.5764

173.5616,
113.4184, 225.9154

4.4424, 0.5505,
7.6913

212.9362,
143.9343, 274.8899

1.9553, 0.0000,
3.8131

257.8563,

0.6087, 0.0000,

179.4846, 330.4754

1.5234

308.6873,
220.4539, 393.0903

■ 0.0000, 0.0000,
0.2353

■ 0.0000, 0.0000,
0.0000

■ 47.0844, 22.9030,
65.5574

■ 47.0844, 22.9030,
65.5574

■ 47.0376, 22.8496,
65.4160

■ 47.7253, 23.7066,
67.2436

■ 48.7813, 25.3342,
69.0889

■ 50.3633, 28.0070,
71.1305

■ 52.5428, 31.8681,
73.3924

■ 55.3802, 37.0378,
75.8948

■ 58.9282, 43.6221,
78.6552

■ 63.2345, 51.7159,
81.6898

■ 68.3423, 61.4059,
85.0129

■ 74.2918, 72.7722,
88.6381

Harmonies

Analogous

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



35.5789, 22.9030, 121.6059



47.0844, 22.9030, 65.5574



51.2124, 22.9030, 22.2463

Triad

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



47.0844, 22.9030, 65.5574



20.8074, 22.9030, 0.0000



8.1825, 22.9030, 75.2151

Complementary

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



47.0844, 22.9030, 65.5574



30.4860, 60.6526, 11.0225

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.



6.5475, 22.9030, 27.8374



47.0844, 22.9030, 65.5574



12.0935, 22.9030, 0.6740

Square

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



47.0844, 22.9030, 65.5574



33.2852, 22.9030, 0.3545



7.6848, 22.9030, 5.9393



13.2719, 22.9030, 129.8195

Rectangle

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



47.0844, 22.9030, 65.5574



48.3772, 22.9030, 7.9365



7.6848, 22.9030, 5.9393



7.3085, 22.9030, 56.9983

Sweetspot

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



47.0853, 22.9041, 65.5578



74.1276, 60.0471, 96.0931



15.6310, 6.3252, 80.5187



15.3898, 11.9552, 20.2375



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.



47.0853, 22.9041, 65.5578



55.5282, 26.9753, 77.1704



37.2451, 18.9681, 13.7401



15.6475, 15.2869, 18.6953



25.7079, 12.4859, 35.8589



2.0372, 0.9878, 2.9130

Inverse Universe

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



47.0853, 22.9041, 65.5578



55.5282, 26.9753, 77.1704



34.9778, 62.4493, 34.6755



15.6475, 15.2869, 18.6953



25.7079, 12.4859, 35.8589



2.0372, 0.9878, 2.9130

Previews

White Background



This preview shows how the XYZ color 47.0844, 22.9030, 65.5574 looks on a white background.

Color Contrast Check

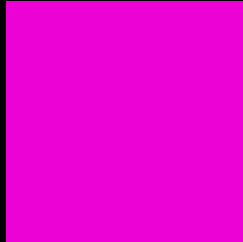
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0844, 22.9030, 65.5574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

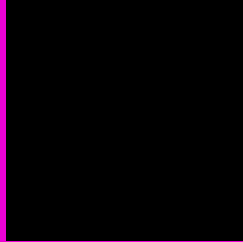
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.0844, 22.9030, 65.5574

Background



This preview shows how black text looks on a background with the XYZ color 47.0844, 22.9030, 65.5574.



This preview shows how white text looks on a background with the XYZ color 47.0844, 22.9030,

65.5574.

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

47.0844, 22.9030, 65.5574

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.0494, 23.4289, 58.5130



Tritanopia

36.0248, 23.0695, 12.0053

Trichromacy



Original Color

47.0844, 22.9030, 65.5574



Protanomaly

26.9898, 16.6887, 84.2368



Deuteranomaly

26.9668, 17.4373, 60.3369



Tritanomaly

37.9353, 21.0176, 24.6116

Monochromacy



Original Color

47.0844, 22.9030, 65.5574



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.4154, 11.5124, 25.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0844, 22.9030, 65.5574 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(237, 2, 214)` looks like.

```
.text, #text, p{  
    color:rgb(237, 2, 214)  
}
```

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(237, 2, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 2, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.0844, 22.9030, 65.5574 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(237, 2, 214) }
```


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

```
.border{ border-color:rgb(237, 2, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 2, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 2, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 2, 214);  
box-shadow:4px 4px 4px 4px rgb(237, 2,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0844, 22.9030, 65.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 2, 214) }
```

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

```
.background{ background-color: rgb(237, 2,  
214) }
```

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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