

Converting Colors

XYZ(47.0894, 22.4197, 86.0470)

Have a look what the booklet for
XYZ(47.0894, 22.4197, 86.0470)
contains.

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Color

**XYZ(47.0783, 22.4184,
85.8503)**

Conversions

Conversions Part 1

Format	Color
Hex	E100F2
RGB	225, 0, 242
RGB Percent	88%, 0%, 95%
CMY	0.1176, 0.9999, 0.0510
CMYK	0.07, 1.00, 0.00, 0.05
HSL	296°, 100%, 47%
HSV	296°, 100%, 95%
XYZ	47.0783, 22.4184, 85.8503
YIQ	94.8630, 56.4180, 122.9620

Conversions

Conversions Part 2

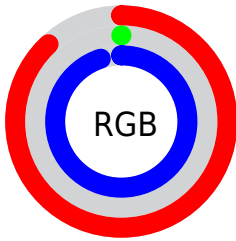
Format	Color
R _Y B	225, 0, 242
Decimal	14745842
CIE Lab	54.47, 91.87, -63.27
CIE LCh	54, 111.545, 325.444
Yxy	22.4184, 0.3031, 0.1443
Android (android.graphics.Color)	4292935922 (0xFFE100F2)
YUV	94.8630, 72.5385, 114.1301
Hunter-Lab	47.3481, 94.6238, -74.3594

Details

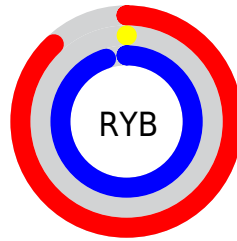
The XYZ color **47.0783, 22.4184, 85.8503** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **31.9842, 63.6241, 10.5959**, and the grayscale version is **10.6726, 11.2284, 12.2277**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **24.0668, 11.3953, 46.8300** is the 20% darker color. If you saturate the color by 10%, you get **47.0781, 22.4182, 85.8506**, and if you desaturate by 10%, it is **47.9431, 23.3563, 85.9861**.

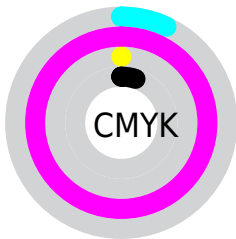
Distribution



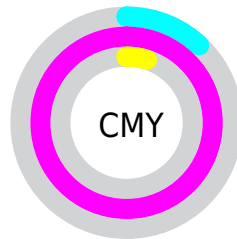
- Red (88%)
- Green (0%)
- Blue (95%)



- Red (88%)
- Yellow (0%)
- Blue (95%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (12%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0783, 22.4184, 85.8503 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 47.0783, 22.4184, 85.8503 by changing the saturation by 10% instead.


 47.0783, 22.4184,
85.8503

 47.0783, 22.4184,
85.8503


365.7707,
264.7235, 534.6553

 33.3058, 14.1647,
63.9900


 85.0485, 47.4366,
143.4453

 22.5211, 8.2353,
46.1964


 109.9769, 64.9698,
180.0170


 14.3591, 4.2459,
32.0511


 139.3546, 86.3649,
222.3297

 8.4542, 1.8120,
21.1354

 173.5471,
112.0064, 270.8017

 4.4412, 0.4947,
13.0308

 212.9195,
142.2786, 325.8518

 1.9546, 0.0000,
7.3188

257.8374,

 0.6083, 0.0000,

177.5659, 387.8984

3.5808

308.6660,
218.2528, 457.3600

■ 0.0000, 0.0000,
1.3983

■ 0.0000, 0.0000,
0.1404

■ 47.0783, 22.4184,
85.8503

■ 47.0783, 22.4184,
85.8503

■ 47.0781, 22.4182,
85.8506

■ 47.9431, 23.3563,
85.9861

■ 49.2245, 25.1203,
86.2590

■ 51.0516, 27.9680,
86.7124

■ 53.5010, 32.0525,
87.3717

■ 56.6372, 37.5024,
88.2583

■ 60.5162, 44.4302,
89.3911

■ 65.1886, 52.9367,
90.7867

■ 70.7003, 63.1138,
92.4606

■ 77.0938, 75.0465,
94.4269

Harmonies

Analogous

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



33.0685, 22.4184, 149.3605



47.0783, 22.4184, 85.8503



54.3209, 22.4184, 30.1495

Triad

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



47.0783, 22.4184, 85.8503



23.2278, 22.4184, 0.0000



6.3624, 22.4184, 66.1849

Complementary

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



47.0783, 22.4184, 85.8503



31.9842, 63.6241, 10.5959

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.



5.4282, 22.4184, 19.4492



47.0783, 22.4184, 85.8503



12.7300, 22.4184, 0.0000

Square

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



47.0783, 22.4184, 85.8503



37.5897, 22.4184, 0.1430



7.2323, 22.4184, 2.6868



10.5736, 22.4184, 132.1968

Rectangle

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



47.0783, 22.4184, 85.8503



52.8903, 22.4184, 10.5269



7.2323, 22.4184, 2.6868



5.7450, 22.4184, 47.0467

Sweetspot

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



47.0793, 22.4194, 85.8508



73.3604, 59.5150, 102.2288



16.2812, 6.9184, 84.4820



15.2027, 11.8254, 21.7312



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.



47.0793, 22.4194, 85.8508



53.0036, 25.2392, 96.6858



41.4397, 20.8066, 27.1021



16.3382, 15.9716, 19.9433



25.3395, 12.0684, 46.1218



2.1406, 1.0208, 3.8384

Inverse Universe

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



36.7199, 18.9187, 2.2480



41.3485, 21.3034, 2.5013



34.0945, 64.4415, 22.9159



15.8178, 15.7768, 16.5970



19.7435, 10.1698, 1.2997



1.6581, 0.8523, 0.1903

Previews

White Background



This preview shows how the XYZ color 47.0783, 22.4184, 85.8503 looks on a white background.

Color Contrast Check

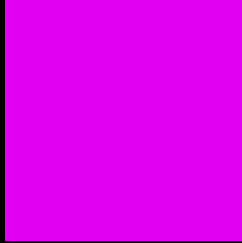
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0783, 22.4184, 85.8503 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 47.0783, 22.4184, 85.8503

Background



This preview shows how black text looks on a background with the XYZ color 47.0783, 22.4184, 85.8503.



This preview shows how white text looks on a background with the XYZ color 47.0783, 22.4184,

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

47.0783, 22.4184, 85.8503

Protanopia

27.1853, 23.3884, 97.6893

Deuteranopia

24.0220, 23.2172, 76.6141



Tritanopia

32.4536, 22.5339, 14.9509

Trichromacy



Original Color

47.0783, 22.4184, 85.8503



Protanomaly

27.2680, 16.4318, 92.1770



Deuteranomaly

25.2926, 16.1621, 78.8773



Tritanomaly

35.0149, 19.7949, 31.6811

Monochromacy



Original Color

47.0783, 22.4184, 85.8503



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1165, 11.1206, 29.2086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0783, 22.4184, 85.8503 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(225, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 242)  
}
```

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(225, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 47.0783, 22.4184, 85.8503 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(225, 0, 242) }
```


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

```
.border{ border-color:rgb(225, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0783, 22.4184, 85.8503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 242) }
```

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

```
.background{ background-color: rgb(225, 0,  
242) }
```

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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