

Converting Colors

XYZ(46.9119, 22.3722, 84.0503)

Have a look what the booklet for
XYZ(46.9119, 22.3722, 84.0503)
contains.

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Color

**XYZ(47.0922, 22.4600,
84.2913)**

Conversions

Conversions Part 1

Format	Color
Hex	E200F0
RGB	226, 0, 240
RGB Percent	89%, 0%, 94%
CMY	0.1137, 0.9999, 0.0588
CMYK	0.06, 1.00, 0.00, 0.06
HSL	296°, 100%, 47%
HSV	296°, 100%, 94%
XYZ	47.0922, 22.4600, 84.2913
YIQ	94.9340, 57.6560, 122.5520

Conversions

Conversions Part 2

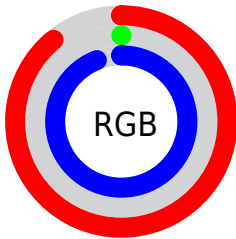
Format	Color
R _Y B	226, 0, 240
Decimal	14811376
CIE Lab	54.51, 91.72, -62.07
CIE LCh	55, 110.745, 325.912
Yxy	22.4600, 0.3061, 0.1460
Android (android.graphics.Color)	4293001456 (0xFFE200F0)
YUV	94.9340, 71.5175, 114.9449
Hunter-Lab	47.3920, 94.4349, -72.2787

Details

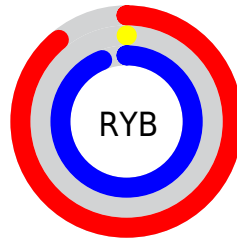
The XYZ color **47.0922, 22.4600, 84.2913** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **31.3419, 62.4141, 10.3961**, and the grayscale version is **10.6909, 11.2477, 12.2487**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **24.0643, 11.4182, 45.7354** is the 20% darker color. If you saturate the color by 10%, you get **47.0923, 22.4601, 84.2916**, and if you desaturate by 10%, it is **47.8610, 23.3421, 84.4214**.

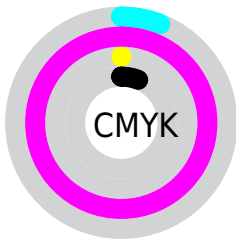
Distribution



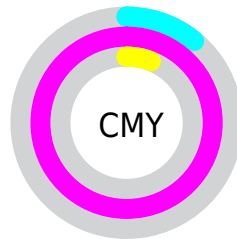
- Red (89%)
- Green (0%)
- Blue (94%)



- Red (89%)
- Yellow (0%)
- Blue (94%)



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





- Cyan (11%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0922, 22.4600, 84.2913 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 47.0922, 22.4600, 84.2913 by changing the saturation by 10% instead.

 47.0922, 22.4600,
84.2913


 47.0922, 22.4600,
84.2913

365.8252,
264.9392, 529.3634


 33.3168, 14.1953,
62.7092

 85.0691, 47.5051,
141.2479


 22.5296, 8.2566,
45.1665


 110.0014, 65.0543,
177.4596


 14.3654, 4.2596,
31.2447


 139.3833, 86.4671,
219.3848

 8.4586, 1.8198,
20.5252

 173.5802,
112.1279, 267.4421

 4.4440, 0.4995,
12.5895

 212.9575,
142.4211, 322.0501

 1.9563, 0.0000,
7.0191

257.8805,

 0.6092, 0.0000,

177.7312, 383.6272

3.3954

308.7147,
218.4424, 452.5922

■ 0.0000, 0.0000,
1.2999

■ 0.0000, 0.0000,
0.0617

■ 47.0922, 22.4600,
84.2913

■ 47.0922, 22.4600,
84.2913

■ 47.0923, 22.4601,
84.2916

■ 47.8610, 23.3421,
84.4214

■ 49.0364, 25.0331,
84.6858

■ 50.7456, 27.7864,
85.1272

■ 53.0636, 31.7519,
85.7704

■ 56.0533, 37.0556,
86.6366

■ 59.7700, 43.8077,
87.7439

■ 64.2630, 52.1069,
89.1091

■ 69.5772, 62.0435,
90.7469

■ 75.7545, 73.7004,
92.6714

Harmonies

Analogous

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



33.2547, 22.4600, 147.2756



47.0922, 22.4600, 84.2913



54.1086, 22.4600, 29.5361

Triad

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



47.0922, 22.4600, 84.2913



23.0549, 22.4600, 0.0000



6.4856, 22.4600, 66.8274

Complementary

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



47.0922, 22.4600, 84.2913



31.3419, 62.4141, 10.3961

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.



5.5061, 22.4600, 19.9930



47.0922, 22.4600, 84.2913



12.6877, 22.4600, 0.0000

Square

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



47.0922, 22.4600, 84.2913



37.2794, 22.4600, 0.1587



7.2669, 22.4600, 2.8673



10.7578, 22.4600, 132.0598

Rectangle

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



47.0922, 22.4600, 84.2913



52.5717, 22.4600, 10.3278



7.2669, 22.4600, 2.8673



5.8513, 22.4600, 47.7339

Sweetspot

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



47.0932, 22.4610, 84.2918



73.6873, 59.6835, 102.2441



15.9143, 6.6629, 82.8857



15.2822, 11.8664, 21.7349



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.



47.0932, 22.4610, 84.2918



54.0275, 25.7671, 96.7337



40.3806, 20.3040, 25.0883



16.3579, 15.9817, 19.9442



25.8190, 12.3156, 46.1442



2.1754, 1.0387, 3.8401

Inverse Universe

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



36.0151, 18.5578, 2.1003



41.3253, 21.2941, 2.3794



33.6602, 63.3205, 23.5494



15.8102, 15.7738, 16.5566



19.7302, 10.1645, 1.2299



1.6544, 0.8508, 0.1710

Previews

White Background



This preview shows how the XYZ color 47.0922, 22.4600, 84.2913 looks on a white background.

Color Contrast Check

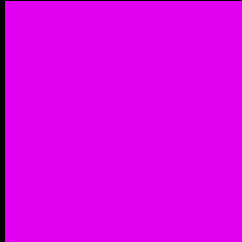
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0922, 22.4600, 84.2913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

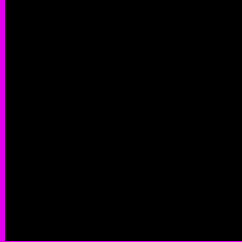
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.0922, 22.4600, 84.2913

Background



This preview shows how black text looks on a background with the XYZ color 47.0922, 22.4600, 84.2913.



This preview shows how white text looks on a background with the XYZ color 47.0922, 22.4600,

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

47.0922, 22.4600, 84.2913

Protanopia

27.2374, 23.4152, 97.6918

Deuteranopia

24.0395, 23.2581, 75.1738



Tritanopia

32.9300, 22.6466, 14.9476

Trichromacy



Original Color

47.0922, 22.4600, 84.2913



Protanomaly

27.4002, 16.5000, 92.1831



Deuteranomaly

25.5575, 16.3315, 77.4066



Tritanomaly

35.6023, 20.0976, 31.7085

Monochromacy



Original Color

47.0922, 22.4600, 84.2913



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.2888, 11.2095, 29.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0922, 22.4600, 84.2913 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(226, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 240)  
}
```

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(226, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.0922, 22.4600, 84.2913 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(226, 0, 240) }
```


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

```
.border{ border-color:rgb(226, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0922, 22.4600, 84.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 240) }
```

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

```
.background{ background-color: rgb(226, 0,  
240) }
```

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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