

Converting Colors

XYZ(47.5486, 22.5207, 92.2011)

Have a look what the booklet for
XYZ(47.5486, 22.5207, 92.2011)
contains.

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Color

**XYZ(47.6867, 22.5901,
92.2894)**

Conversions

Conversions Part 1

Format	Color
Hex	DF00FA
RGB	223, 0, 250
RGB Percent	87%, 0%, 98%
CMY	0.1255, 0.9999, 0.0196
CMYK	0.11, 1.00, 0.00, 0.02
HSL	294°, 100%, 49%
HSV	294°, 100%, 98%
XYZ	47.6867, 22.5901, 92.2894
YIQ	95.1770, 52.6580, 125.0260

Conversions

Conversions Part 2

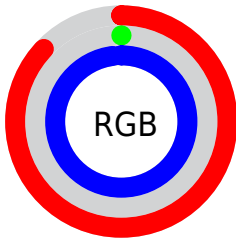
Format	Color
R _Y B	223, 0, 250
Decimal	14614778
CIE Lab	54.65, 92.79, -67.47
CIE LCh	55, 114.725, 323.978
Yxy	22.5901, 0.2933, 0.1390
Android (android.graphics.Color)	4292804858 (0xFFDF00FA)
YUV	95.1770, 76.3277, 112.1008
Hunter-Lab	47.5290, 95.9163, -81.8559

Details

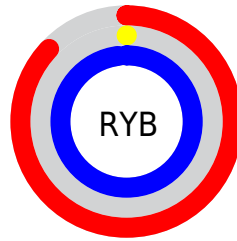
The XYZ color **47.6867, 22.5901, 92.2894** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.6386, 68.6049, 11.4173**, and the grayscale version is **10.7382, 11.2974, 12.3029**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **24.4147, 11.4872, 50.7996** is the 20% darker color. If you saturate the color by 10%, you get **47.6865, 22.5899, 92.2897**, and if you desaturate by 10%, it is **48.8743, 23.7193, 92.4451**.

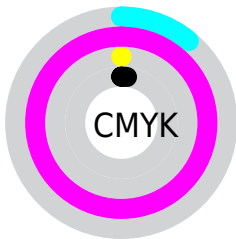
Distribution



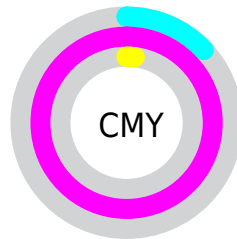
- Red (87%)
- Green (0%)
- Blue (98%)



- Red (87%)
- Yellow (0%)
- Blue (98%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (13%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6867, 22.5901, 92.2894 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 47.6867, 22.5901, 92.2894 by changing the saturation by 10% instead.


 47.6867, 22.5901,
92.2894


 47.6867, 22.5901,
92.2894


368.1522,
265.6126, 556.2115


 33.7891, 14.2911,
69.2967

 85.9503, 47.7194,
152.4776


 22.8937, 8.3234,
50.4801


 111.0469, 65.3185,
190.5101

 14.6353, 4.3026,
35.4212


 140.6073, 86.7865,
234.3930

 8.6485, 1.8442,
23.7013

 174.9967,
112.5076, 284.5448

 4.5679, 0.5145,
14.9021

 214.5806,
142.8665, 341.3840

 2.0282, 0.0000,
8.6048

259.7242,

 0.6497, 0.0000,

178.2473, 405.3291

4.3911

310.7930,
219.0346, 476.7988

■ 0.0000, 0.0000,
1.8422

■ 0.0000, 0.0000,
0.4556

■ 47.6867, 22.5901,
92.2894

■ 47.6867, 22.5901,
92.2894

■ 47.6865, 22.5899,
92.2897

■ 48.8743, 23.7193,
92.4451

■ 50.5199, 25.7457,
92.7495

■ 52.7615, 28.9442,
93.2487

■ 55.6822, 33.4811,
93.9705

■ 59.3519, 39.4958,
94.9381

■ 63.8315, 47.1102,
96.1717

■ 69.1757, 56.4335,
97.6896

■ 75.4343, 67.5654,
99.5084

■ 82.6533, 80.5977,
101.6434

Harmonies

Analogous

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



32.9202, 22.5901, 158.4253



47.6867, 22.5901, 92.2894



55.7762, 22.5901, 32.6322

Triad

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



47.6867, 22.5901, 92.2894



24.1190, 22.5901, 0.0000



6.0549, 22.5901, 65.0309

Complementary

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



47.6867, 22.5901, 92.2894



34.6386, 68.6049, 11.4173

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.



5.2504, 22.5901, 18.0023



47.6867, 22.5901, 92.2894



13.0421, 22.5901, 0.0000

Square

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



47.6867, 22.5901, 92.2894



39.1384, 22.5901, 0.1001



7.2170, 22.5901, 2.1835



10.1281, 22.5901, 134.5015

Rectangle

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



47.6867, 22.5901, 92.2894



54.6785, 22.5901, 11.3386



7.2170, 22.5901, 2.1835



5.4824, 22.5901, 45.4937

Sweetspot

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



47.6877, 22.5911, 92.2899



72.3353, 58.9866, 102.1808



17.6998, 7.7905, 91.0136



14.9537, 11.6971, 21.7196



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.



47.6877, 22.5911, 92.2899



49.8734, 23.6256, 96.5393



45.2724, 22.6637, 32.6380



17.7975, 17.4238, 21.8104



25.3693, 12.0210, 48.9567



2.4009, 1.1398, 4.5366

Inverse Universe

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



39.6229, 20.4039, 2.8886



41.4442, 21.3417, 3.0051



36.2906, 69.2134, 22.4773



17.3208, 17.2557, 18.2791



21.0416, 10.8324, 1.6616



1.9730, 1.0129, 0.2813

Previews

White Background



This preview shows how the XYZ color 47.6867, 22.5901, 92.2894 looks on a white background.

Color Contrast Check

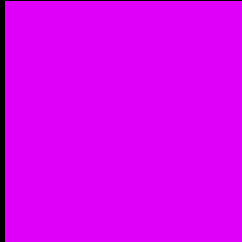
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6867, 22.5901, 92.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

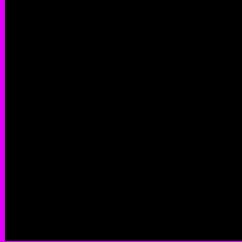
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.6867, 22.5901, 92.2894

Background



This preview shows how black text looks on a background with the XYZ color 47.6867, 22.5901, 92.2894.



This preview shows how white text looks on a background with the XYZ color 47.6867, 22.5901,

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

47.6867, 22.5901, 92.2894

Protanopia

27.2905, 23.4426, 97.6943

Deuteranopia

24.1477, 23.3717, 81.8357



Tritanopia

32.0943, 22.7344, 16.0612

Trichromacy



Original Color

47.6867, 22.5901, 92.2894



Protanomaly

27.7423, 16.6215, 94.6746



Deuteranomaly

24.4562, 15.6131, 84.1627



Tritanomaly

35.0456, 19.9109, 34.3438

Monochromacy



Original Color

47.6867, 22.5901, 92.2894



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.3571, 11.2169, 30.4757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6867, 22.5901, 92.2894 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(223, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 250)  
}
```

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(223, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 47.6867, 22.5901, 92.2894 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(223, 0, 250) }
```


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

```
.border{ border-color:rgb(223, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6867, 22.5901, 92.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 250) }
```

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

```
.background{ background-color: rgb(223, 0,  
250) }
```

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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