

Converting Colors

XYZ(44.9333, 21.1725, 92.0787)

Have a look what the booklet for
XYZ(44.9333, 21.1725, 92.0787)
contains.

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Color

**XYZ(44.9869, 21.1983,
92.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	D600FA
RGB	214, 0, 250
RGB Percent	84%, 0%, 98%
CMY	0.1608, 0.9999, 0.0196
CMYK	0.14, 1.00, 0.00, 0.02
HSL	291°, 100%, 49%
HSV	291°, 100%, 98%
XYZ	44.9869, 21.1983, 92.1631
YIQ	92.4860, 47.2940, 123.1180

Conversions

Conversions Part 2

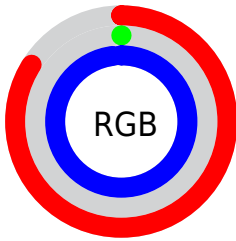
Format	Color
RYB	214, 0, 250
Decimal	14024954
CIELab	53.17, 91.53, -69.94
CIELCh	53, 115.192, 322.617
Yxy	21.1983, 0.2841, 0.1339
Android (android.graphics.Color)	4292215034 (0xFFD600FA)
YUV	92.4860, 77.6544, 106.5678
Hunter-Lab	46.0416, 93.8381, -86.4537

Details

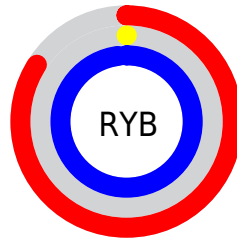
The XYZ color **44.9869, 21.1983, 92.1631** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.9142, 68.7470, 11.4300**, and the grayscale version is **10.1070, 10.6334, 11.5798**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.6513, 10.5781, 50.7171** is the 20% darker color. If you saturate the color by 10%, you get **44.9866, 21.1981, 92.1634**, and if you desaturate by 10%, it is **46.3982, 22.4427, 92.3292**.

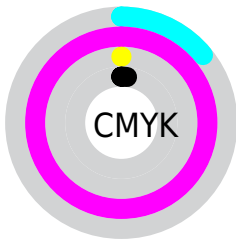
Distribution



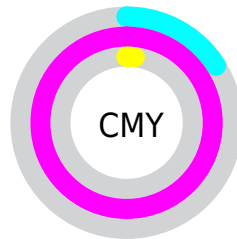
- Red (84%)
- Green (0%)
- Blue (98%)



- Red (84%)
- Yellow (0%)
- Blue (98%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9869, 21.1983, 92.1631 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 44.9869, 21.1983, 92.1631 by changing the saturation by 10% instead.


 44.9869, 21.1983,
92.1631


 44.9869, 21.1983,
92.1631

357.5051,
258.3305, 555.7931


 31.6483, 13.2690,
69.1923


 81.9379, 45.4173,
152.3011

 21.2473, 7.6141,
50.3956


 106.2811, 62.4759,
190.3054


 13.4184, 3.8490,
35.3545


 135.0232, 83.3463,
234.1579

 7.7962, 1.5895,
23.6503

 168.5296,
108.4130, 284.2772

 4.0156, 0.3505,
14.8646

 207.1657,
138.0604, 341.0818

 1.7109, 0.0000,
8.5789

 251.2967,

 0.4631, 0.0000,

172.6728, 404.9903

4.3745

301.2880,
212.6347, 476.4213

■ 0.0000, 0.0000,
1.8330

■ 0.0000, 0.0000,
0.4496

■ 44.9869, 21.1983,
92.1631

■ 44.9869, 21.1983,
92.1631

■ 44.9866, 21.1981,
92.1634

■ 46.3982, 22.4427,
92.3292

■ 48.2776, 24.5894,
92.6446

■ 50.7630, 27.9135,
93.1552

■ 53.9378, 32.5811,
93.8888

■ 57.8718, 38.7319,
94.8687

■ 62.6261, 46.4877,
96.1151

■ 68.2555, 55.9578,
97.6463

■ 74.8097, 67.2418,
99.4789

■ 82.3351, 80.4318,
101.6282

Harmonies

Analogous

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



30.5308, 21.1983, 156.2426



44.9869, 21.1983, 92.1631



53.3183, 21.1983, 32.7871

Triad

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



44.9869, 21.1983, 92.1631



23.3009, 21.1983, 0.0000



5.3647, 21.1983, 59.5432

Complementary

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



44.9869, 21.1983, 92.1631



34.9142, 68.7470, 11.4300

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.



4.7284, 21.1983, 15.5092



44.9869, 21.1983, 92.1631



12.4352, 21.1983, 0.0000

Square

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



44.9869, 21.1983, 92.1631



37.9145, 21.1983, 0.0094



6.7050, 21.1983, 1.6322



9.0349, 21.1983, 127.4606

Rectangle

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



44.9869, 21.1983, 92.1631



52.6129, 21.1983, 11.3368



6.7050, 21.1983, 1.6322



4.8707, 21.1983, 40.9916

Sweetspot

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



44.9879, 21.1992, 92.1636



71.3726, 58.4903, 102.1358



17.9336, 8.2581, 91.0916



14.7204, 11.5768, 21.7086



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.



44.9879, 21.1992, 92.1636



47.0468, 22.1684, 96.4070



45.9917, 22.9514, 36.4260



17.7329, 17.3905, 21.8074



23.9570, 11.2929, 48.8906



2.2839, 1.0795, 4.5312

Inverse Universe

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



39.7435, 20.4521, 3.5238



41.5696, 21.3918, 3.6655



35.9275, 69.0682, 20.5656



17.3464, 17.2659, 18.4140



21.1118, 10.8604, 2.0310



1.9851, 1.0178, 0.3449

Previews

White Background



This preview shows how the XYZ color 44.9869, 21.1983, 92.1631 looks on a white background.

Color Contrast Check

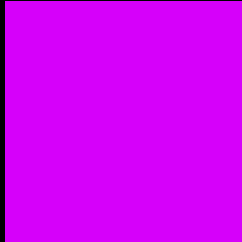
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.9869, 21.1983, 92.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

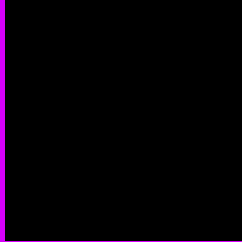
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.9869, 21.1983, 92.1631

Background



This preview shows how black text looks on a background with the XYZ color 44.9869, 21.1983, 92.1631.



This preview shows how white text looks on a background with the XYZ color 44.9869, 21.1983,

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

44.9869, 21.1983, 92.1631

Protanopia

26.0206, 22.0286, 97.4883

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

29.4232, 21.3574, 15.9362

Trichromacy



Original Color

44.9869, 21.1983, 92.1631



Protanomaly

25.8924, 15.4505, 94.5461



Deuteranomaly

21.6678, 13.9793, 82.4452



Tritanomaly

32.2513, 18.4704, 34.2131

Monochromacy



Original Color

44.9869, 21.1983, 92.1631



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3855, 10.6483, 29.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9869, 21.1983, 92.1631 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(214, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 44.9869, 21.1983, 92.1631 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(214, 0, 250) }
```


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

```
.border{ border-color:rgb(214, 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(214, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9869, 21.1983, 92.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 250) }
```

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

```
.background{ background-color: rgb(214, 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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