

Converting Colors

XYZ(46.8598, 22.4677, 96.4747)

Have a look what the booklet for
XYZ(46.8598, 22.4677, 96.4747)
contains.

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Color

**XYZ(46.9334, 22.5080,
96.4786)**

Conversions

Conversions Part 1

Format	Color
Hex	D915FF
RGB	217, 21, 255
RGB Percent	85%, 8%, 100%
CMY	0.1490, 0.9176, 0.0000
CMYK	0.15, 0.92, 0.00, 0.00
HSL	290°, 100%, 54%
HSV	290°, 92%, 100%
XYZ	46.9334, 22.5080, 96.4786
YIQ	106.2800, 41.7020, 114.3260

Conversions

Conversions Part 2

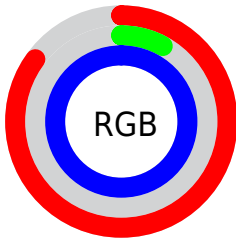
Format	Color
R _Y B	217, 21, 255
Decimal	14226943
CIE Lab	54.56, 91.05, -70.44
CIE LCh	55, 115.120, 322.275
Yxy	22.5080, 0.2829, 0.1357
Android (android.graphics.Color)	4292417023 (0xFFD915FF)
YUV	106.2800, 73.3190, 97.1014
Hunter-Lab	47.4426, 93.5596, -87.3615

Details

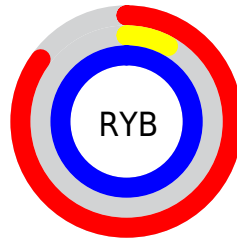
The XYZ color **46.9334, 22.5080, 96.4786** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **37.6998, 72.5043, 12.7179**, and the grayscale version is **13.5761, 14.2831, 15.5543**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **23.7883, 11.0991, 53.7119** is the 20% darker color. If you saturate the color by 10%, you get **45.6620, 21.4545, 96.3422**, and if you desaturate by 10%, it is **48.9096, 24.6090, 96.7799**.

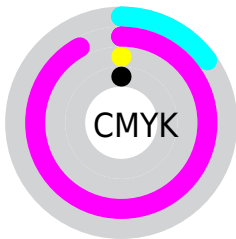
Distribution



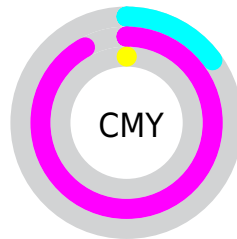
- Red (85%)
- Green (8%)
- Blue (100%)



- Red (85%)
- Yellow (8%)
- Blue (100%)



- Cyan (15%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9334, 22.5080, 96.4786 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 46.9334, 22.5080, 96.4786 by changing the saturation by 10% instead.

 46.9334, 22.5080,
96.4786


 46.9334, 22.5080,
96.4786

365.2020,
265.1878, 569.9926

 33.1907, 14.2306,
72.7626


 84.8335, 47.5842,
158.3189


 22.4325, 8.2813,
53.2912


 109.7217, 65.1518,
197.2802


 14.2934, 4.2754,
37.6460


 139.0558, 86.5850,
242.1603

 8.4081, 1.8288,
25.4083

 173.2011,
112.2681, 293.3779

 4.4112, 0.5050,
16.1598

 212.5231,
142.5855, 351.3513

 1.9373, 0.0000,
9.4817

257.3869,

 0.5984, 0.0000,

177.9217, 416.4992

4.9556

308.1581,
218.6610, 489.2402

■ 0.0000, 0.0000,
2.1630

■ 0.0000, 0.0000,
0.6529

■ 46.9334, 22.5080,
96.4786

■ 46.9334, 22.5080,
96.4786

■ 45.6620, 21.4545,
96.3422

■ 48.9096, 24.6090,
96.7799

■ 51.5083, 27.9098,
97.2801

■ 54.8213, 32.5927,
98.0094

■ 58.9241, 38.8084,
98.9929

63.8824, 46.6878,
100.2524

69.7546, 56.3477,
101.8075

76.5941, 67.8945,
103.6757

84.4500, 81.4258,
105.8735

93.3679, 97.0329,
108.4159

Harmonies

Analogous

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



31.9854, 22.5080, 161.7128



46.9334, 22.5080, 96.4786



55.6219, 22.5080, 35.0988

Triad

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



46.9334, 22.5080, 96.4786



24.8274, 22.5080, 0.0000



5.8682, 22.5080, 61.4680

Complementary

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



46.9334, 22.5080, 96.4786



37.6998, 72.5043, 12.7179

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.



5.2213, 22.5080, 16.2949



46.9334, 22.5080, 96.4786



13.4431, 22.5080, 0.0000

Square

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



46.9334, 22.5080, 96.4786



39.9648, 22.5080, 0.2110



7.3574, 22.5080, 1.8289



9.7062, 22.5080, 130.9945

Rectangle

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



46.9334, 22.5080, 96.4786



54.9911, 22.5080, 12.4924



7.3574, 22.5080, 1.8289



5.3532, 22.5080, 42.4736

Sweetspot

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



46.9344, 22.5089, 96.4787



72.2097, 60.4619, 102.4722



19.9760, 10.6125, 95.6033



14.8551, 11.9354, 21.7708



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.



46.9344, 22.5089, 96.4787



45.6620, 21.4545, 96.3422



49.4447, 24.9713, 43.8112



18.4860, 18.1423, 22.7774



23.9672, 11.2660, 50.3459



2.4075, 1.1350, 4.9055

Inverse Universe

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



42.2981, 22.1127, 6.1780



41.6474, 21.4230, 4.0755



38.3221, 72.5806, 23.7963



18.1297, 18.0352, 19.2999



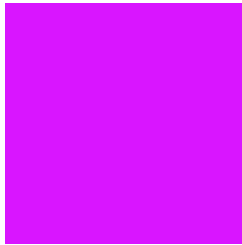
21.7969, 11.2080, 2.3149



2.1549, 1.1043, 0.3969

Previews

White Background



This preview shows how the XYZ color 46.9334, 22.5080, 96.4786 looks on a white background.

Color Contrast Check

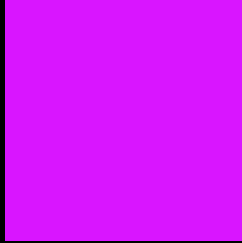
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9334, 22.5080, 96.4786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

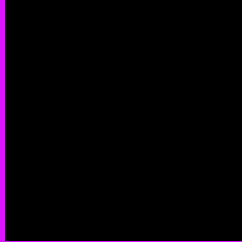
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.9334, 22.5080, 96.4786

Background



This preview shows how black text looks on a background with the XYZ color 46.9334, 22.5080, 96.4786.



This preview shows how white text looks on a background with the XYZ color 46.9334, 22.5080,

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

46.9334, 22.5080, 96.4786

Protanopia

26.9548, 23.0769, 97.6413

Deuteranopia

23.5279, 22.8312, 82.5237



Tritanopia

30.6492, 22.3958, 16.8948

Trichromacy



Original Color

46.9334, 22.5080, 96.4786



Protanomaly

28.0953, 17.5790, 96.5200



Deuteranomaly

23.2293, 15.7876, 86.6170



Tritanomaly

33.9272, 20.1871, 35.8265

Monochromacy



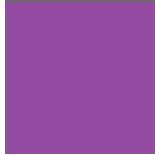
Original Color

46.9334, 22.5080, 96.4786



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.7153, 13.6812, 34.8066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9334, 22.5080, 96.4786 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(217, 21, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 21, 255)  
}
```

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(217, 21, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 21, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9334, 22.5080, 96.4786 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(217, 21, 255) }
```


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

```
.border{ border-color:rgb(217, 21, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 21, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 21, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 21, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 21,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9334, 22.5080, 96.4786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 21, 255) }
```

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

```
.background{ background-color: rgb(217, 21,  
255) }
```

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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