

Converting Colors

XYZ(44.8461, 21.3506, 81.9931)

Have a look what the booklet for
XYZ(44.8461, 21.3506, 81.9931)
contains.

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Color

**XYZ(44.8013, 21.3301,
81.8766)**

Conversions

Conversions Part 1

Format	Color
Hex	DC00ED
RGB	220, 0, 237
RGB Percent	86%, 0%, 93%
CMY	0.1372, 0.9999, 0.0706
CMYK	0.07, 1.00, 0.00, 0.07
HSL	296°, 100%, 46%
HSV	296°, 100%, 93%
XYZ	44.8013, 21.3301, 81.8766
YIQ	92.7980, 55.0430, 120.3470

Conversions

Conversions Part 2

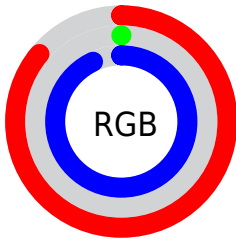
Format	Color
RYB	220, 0, 237
Decimal	14418157
CIELab	53.31, 90.38, -62.37
CIELCh	53, 109.812, 325.389
Yxy	21.3301, 0.3027, 0.1441
Android (android.graphics.Color)	4292608237 (0xFFDC00ED)
YUV	92.7980, 71.0916, 111.5562
Hunter-Lab	46.1845, 92.3310, -72.7810

Details

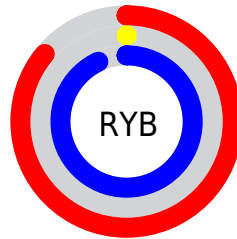
The XYZ color **44.8013, 21.3301, 81.8766** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.5161, 60.6881, 10.1065**, and the grayscale version is **10.1929, 10.7237, 11.6781**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.7354, 10.7689, 44.0603** is the 20% darker color. If you saturate the color by 10%, you get **44.8013, 21.3301, 81.8769**, and if you desaturate by 10%, it is **45.6402, 22.2392, 82.0082**.

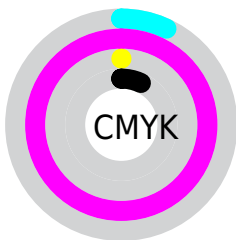
Distribution



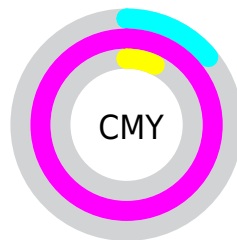
- Red (86%)
- Green (0%)
- Blue (93%)



- Red (86%)
- Yellow (0%)
- Blue (93%)



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




- Cyan (14%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8013, 21.3301, 81.8766 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 44.8013, 21.3301, 81.8766 by changing the saturation by 10% instead.

 44.8013, 21.3301,
81.8766


 44.8013, 21.3301,
81.8766

356.7655,
259.0276, 521.1074


 31.5016, 13.3655,
60.7286


 81.6611, 45.6363,
137.8361


 21.1348, 7.6807,
43.5770


 105.9518, 62.7466,
173.4846


 13.3356, 3.8913,
30.0034


 134.6369, 83.6744,
214.8038

 7.7386, 1.6130,
19.5891

 168.0817,
108.8039, 262.2121

 3.9785, 0.3663,
11.9156

 206.6517,
138.5196, 316.1280

 1.6900, 0.0000,
6.5644

 250.7120,

 0.4500, 0.0000,

173.2058, 376.9702

3.1169

300.6282,
213.2471, 445.1572

■ 0.0000, 0.0000,
1.1546

■ 0.0000, 0.0000,
0.0000

■ 44.8013, 21.3301,
81.8766

■ 44.8013, 21.3301,
81.8766

■ 44.8013, 21.3301,
81.8769

■ 45.6402, 22.2392,
82.0082

■ 46.8754, 23.9339,
82.2702

■ 48.6308, 26.6614,
82.7041

■ 50.9792, 30.5670,
83.3342

■ 53.9816, 35.7727,
84.1808

■ 57.6915, 42.3854,
85.2616

■ 62.1566, 50.5009,
86.5927

■ 67.4208, 60.2065,
88.1886

■ 73.5244, 71.5829,
90.0628

Harmonies

Analogous

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



31.4493, 21.3301, 142.3765



44.8013, 21.3301, 81.8766



51.7192, 21.3301, 28.7613

Triad

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



44.8013, 21.3301, 81.8766



22.1244, 21.3301, 0.0000



6.0411, 21.3301, 62.9145

Complementary

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



44.8013, 21.3301, 81.8766



30.5161, 60.6881, 10.1065

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.



5.1571, 21.3301, 18.4488



44.8013, 21.3301, 81.8766



12.1194, 21.3301, 0.0000

Square

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



44.8013, 21.3301, 81.8766



35.8077, 21.3301, 0.1072



6.8788, 21.3301, 2.5372



10.0420, 21.3301, 125.8231

Rectangle

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



44.8013, 21.3301, 81.8766



50.3697, 21.3301, 10.0404



6.8788, 21.3301, 2.5372



5.4554, 21.3301, 44.6963

Sweetspot

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



44.8022, 21.3310, 81.8770



73.3199, 59.4942, 102.2269



15.5327, 6.6071, 80.5777



15.1929, 11.8204, 21.7308



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.



44.8022, 21.3310, 81.8770



52.8777, 25.1743, 96.6799



39.5320, 19.8478, 25.8920



15.6020, 15.2556, 19.0446



24.5075, 11.6700, 44.7038



1.9564, 0.9329, 3.5118

Inverse Universe

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



35.0269, 18.0458, 2.1685



41.3516, 21.3046, 2.5176



32.5257, 61.4652, 21.8959



15.1093, 15.0716, 15.8609



19.1403, 9.8588, 1.2745



1.5183, 0.7803, 0.1809

Previews

White Background



This preview shows how the XYZ color 44.8013, 21.3301, 81.8766 looks on a white background.

Color Contrast Check

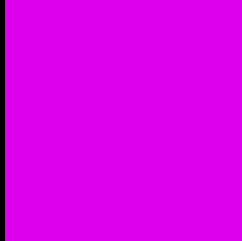
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.8013, 21.3301, 81.8766 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 44.8013, 21.3301, 81.8766

Background



This preview shows how black text looks on a background with the XYZ color 44.8013, 21.3301, 81.8766.



This preview shows how white text looks on a background with the XYZ color 44.8013, 21.3301,

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

44.8013, 21.3301, 81.8766

Protanopia

26.2587, 22.3383, 97.5355

Deuteranopia

22.8232, 22.0772, 72.8705



Tritanopia

31.0683, 21.5669, 14.3297

Trichromacy



Original Color

44.8013, 21.3301, 81.8766



Protanomaly

25.6376, 15.5179, 90.4509



Deuteranomaly

24.0363, 15.3654, 75.0977



Tritanomaly

33.5671, 18.9995, 30.3319

Monochromacy



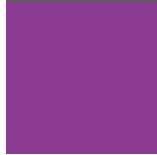
Original Color

44.8013, 21.3301, 81.8766



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3223, 10.6612, 27.9329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8013, 21.3301, 81.8766 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(220, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 237)  
}
```

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(220, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 44.8013, 21.3301, 81.8766 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(220, 0, 237) }
```


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

```
.border{ border-color:rgb(220, 0, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8013, 21.3301, 81.8766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 237) }
```

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

```
.background{ background-color: rgb(220, 0,  
237) }
```

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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