

Converting Colors

XYZ(44.1399, 21.0294, 80.0273)

Have a look what the booklet for
XYZ(44.1399, 21.0294, 80.0273)
contains.

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Color

**XYZ(44.2088, 21.0582,
80.3318)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00EB
RGB	219, 0, 235
RGB Percent	86%, 0%, 92%
CMY	0.1412, 0.9999, 0.0784
CMYK	0.07, 1.00, 0.00, 0.08
HSL	296°, 100%, 46%
HSV	296°, 100%, 92%
XYZ	44.2088, 21.0582, 80.3318
YIQ	92.2710, 55.0890, 119.5130

Conversions

Conversions Part 2

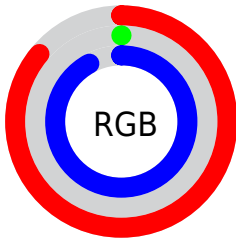
Format	Color
RYB	219, 0, 235
Decimal	14352619
CIELab	53.01, 89.93, -61.73
CIELCh	53, 109.079, 325.533
Yxy	21.0582, 0.3036, 0.1446
Android (android.graphics.Color)	4292542699 (0xFFDB00EB)
YUV	92.2710, 70.3654, 111.1413
Hunter-Lab	45.8892, 91.6574, -71.6682

Details

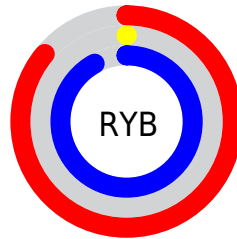
The XYZ color **44.2088, 21.0582, 80.3318** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **29.9227, 59.5273, 9.9136**, and the grayscale version is **10.0731, 10.5977, 11.5409**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.3340, 10.5853, 42.9855** is the 20% darker color. If you saturate the color by 10%, you get **44.2089, 21.0582, 80.3321**, and if you desaturate by 10%, it is **45.0101, 21.9419, 80.4604**.

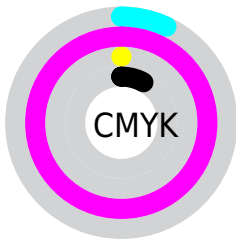
Distribution



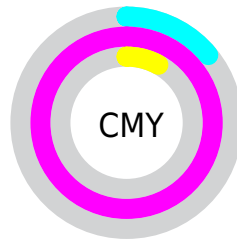
- Red (86%)
- Green (0%)
- Blue (92%)



- Red (86%)
- Yellow (0%)
- Blue (92%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (14%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.2088, 21.0582, 80.3318 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 44.2088, 21.0582, 80.3318 by changing the saturation by 10% instead.

 44.2088, 21.0582,
80.3318

 44.2088, 21.0582,
80.3318


354.3975,
257.5876, 515.7865


 31.0333, 13.1666,
59.4637


 80.7762, 45.1844,
135.6477

 20.7762, 7.5433,
42.5640


 104.8989, 62.1877,
170.9326


 13.0720, 3.8042,
29.2143


 133.4013, 82.9970,
211.8601

 7.5555, 1.5646,
18.9960

 166.6489,
107.9968, 258.8489

 3.8613, 0.3336,
11.4906

 205.0069,
137.5713, 312.3173

 1.6239, 0.0000,
6.2796

 248.8408,

 0.4079, 0.0000,

172.1050, 372.6841

2.9443

298.5159,
211.9823, 440.3676

■ 0.0000, 0.0000,
1.0663

■ 0.0000, 0.0000,
0.0000

■ 44.2088, 21.0582,
80.3318

■ 44.2088, 21.0582,
80.3318

■ 44.2089, 21.0582,
80.3321

■ 45.0101, 21.9419,
80.4604

■ 46.1992, 23.5949,
80.7168

■ 47.8979, 26.2605,
81.1418

■ 50.1774, 30.0807,
81.7591

■ 53.0976, 35.1753,
82.5885

■ 56.7107, 41.6487,
83.6476

■ 61.0636, 49.5948,
84.9519

■ 66.1991, 59.0992,
86.5157

■ 72.1568, 70.2408,
88.3523

Harmonies

Analogous

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



31.0845, 21.0582, 139.8733



44.2088, 21.0582, 80.3318



50.9689, 21.0582, 28.1994

Triad

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



44.2088, 21.0582, 80.3318



21.7796, 21.0582, 0.0000



5.9962, 21.0582, 62.2624

Complementary

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



44.2088, 21.0582, 80.3318



29.9227, 59.5273, 9.9136

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.



5.1110, 21.0582, 18.3596



44.2088, 21.0582, 80.3318



11.9458, 21.0582, 0.0000

Square

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



44.2088, 21.0582, 80.3318



35.2407, 21.0582, 0.1029



6.7973, 21.0582, 2.5547



9.9614, 21.0582, 124.1078

Rectangle

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



44.2088, 21.0582, 80.3318



49.6064, 21.0582, 9.8488



6.7973, 21.0582, 2.5547



5.4135, 21.0582, 44.2995

Sweetspot

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



44.2097, 21.0591, 80.3322



73.4197, 59.5456, 102.2316



15.2391, 6.4850, 79.0461



15.2171, 11.8329, 21.7319



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.



44.2097, 21.0591, 80.3322



53.1884, 25.3345, 96.6945



38.7835, 19.4717, 25.4169



15.6077, 15.2585, 19.0448



24.6484, 11.7427, 44.7104



1.9660, 0.9378, 3.5123

Inverse Universe

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



34.3551, 17.7003, 2.0970



41.3440, 21.3016, 2.4778



31.9102, 60.2976, 21.4954



15.1071, 15.0707, 15.8491



19.1362, 9.8572, 1.2524



1.5173, 0.7799, 0.1753

Previews

White Background



This preview shows how the XYZ color 44.2088, 21.0582, 80.3318 looks on a white background.

Color Contrast Check

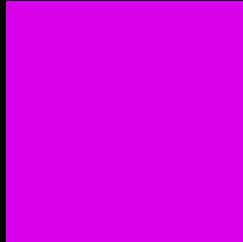
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.2088, 21.0582, 80.3318 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 44.2088, 21.0582, 80.3318

Background



This preview shows how black text looks on a background with the XYZ color 44.2088, 21.0582, 80.3318.



This preview shows how white text looks on a background with the XYZ color 44.2088, 21.0582,

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

44.2088, 21.0582, 80.3318

Protanopia

25.9852, 22.0104, 97.4866

Deuteranopia

22.4770, 21.7332, 71.4169



Tritanopia

30.6604, 21.2326, 14.0376

Trichromacy



Original Color

44.2088, 21.0582, 80.3318



Protanomaly

25.3328, 15.2528, 90.4158



Deuteranomaly

23.8150, 15.1704, 73.6245



Tritanomaly

33.2038, 18.8214, 29.8998

Monochromacy



Original Color

44.2088, 21.0582, 80.3318



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0792, 10.5448, 27.5207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2088, 21.0582, 80.3318 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(219, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 235)  
}
```

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(219, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 44.2088, 21.0582, 80.3318 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(219, 0, 235) }
```


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

```
.border{ border-color:rgb(219, 0, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2088, 21.0582, 80.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 235) }
```

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

```
.background{ background-color: rgb(219, 0,  
235) }
```

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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