

Converting Colors

XYZ(41.5160, 28.3517, 85.7227)

Have a look what the booklet for
XYZ(41.5160, 28.3517, 85.7227)
contains.

XYZ(41.4005, 28.2919, 85.7169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.4005, 28.2919,
85.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	B871F0
RGB	184, 113, 240
RGB Percent	72%, 44%, 94%
CMY	0.2784, 0.5568, 0.0588
CMYK	0.23, 0.53, 0.00, 0.06
HSL	274°, 81%, 69%
HSV	274°, 53%, 94%
XYZ	41.4005, 28.2919, 85.7169
YIQ	148.7070, 1.5490, 54.5490

Conversions

Conversions Part 2

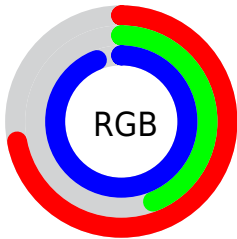
Format	Color
RYB	184, 113, 240
Decimal	12087792
CIELab	60.15, 50.78, -53.38
CIElCh	60, 73.670, 313.571
Yxy	28.2919, 0.2664, 0.1820
Android (android.graphics.Color)	4290277872 (0xFFB871F0)
YUV	148.7070, 45.0074, 30.9520
Hunter-Lab	53.1901, 45.8526, -58.3139

Details

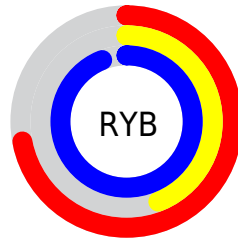
The XYZ color **41.4005, 28.2919, 85.7169** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.5035, 71.9480, 26.8493**, and the grayscale version is **28.2619, 29.7337, 32.3800**.

A 20% lighter version of the original color is **68.4867, 53.7347, 101.3699**, and **19.1181, 11.3456, 45.9820** is the 20% darker color. If you saturate the color by 10%, you get **36.6276, 22.3688, 84.8257**, and if you desaturate by 10%, it is **47.0731, 35.7305, 86.8542**.

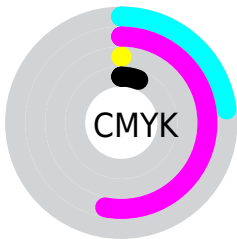
Distribution



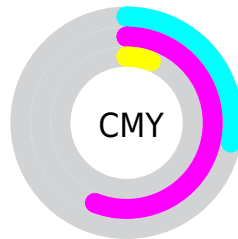
- Red (72%)
- Green (44%)
- Blue (94%)



- Red (72%)
- Yellow (44%)
- Blue (94%)



- Cyan (23%)
- Magenta (53%)
- Yellow (0%)
- Black (6%)



- Cyan (28%)
- Magenta (56%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4005, 28.2919, 85.7169 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 41.4005, 28.2919, 85.7169 by changing the saturation by 10% instead.

41.4005, 28.2919,
85.7169

41.4005, 28.2919,
85.7169

343.0258,
293.8591, 534.2036

28.8212, 18.5458,
63.8803

76.5624, 56.9501,
143.2574

19.0892, 11.3426,
46.1082

99.8757, 76.6311,
179.7984

11.8391, 6.2977,
31.9819

127.4977,
100.3924, 222.0780

6.7057, 3.0270,
21.0830

159.7937,
128.6186, 270.5148

3.3234, 1.1458,
12.9928

197.1292,
161.6939, 325.5271

1.3270, 0.0168,
7.2930

239.8695,

0.2033, 0.0000,

200.0029, 387.5337

3.5648

288.3799,
243.9298, 456.9530

■ 0.0000, 0.0000,
1.3897

■ 0.0000, 0.0000,
0.1337

■ 41.4005, 28.2919,
85.7169

■ 41.4005, 28.2919,
85.7169

■ 36.6276, 22.3688,
84.8257

■ 47.0731, 35.7305,
86.8542

■ 32.6898, 17.8417,
84.1594

■ 53.6969, 44.7853,
88.2528

■ 29.5181, 14.5775,
83.6965

■ 61.3232, 55.5516,
89.9290

■ 27.0281, 12.4142,
83.4102

■ 69.9981, 68.1166,
91.8971

■ 25.5878, 11.3741,
83.2853

■ 79.7650, 82.5611,
94.1704

■ 90.0219, 97.6761,
96.5473

■ 92.7283, 99.0713,
96.6739

Harmonies

Analogous

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



31.3670, 28.2919, 113.7037



41.4005, 28.2919, 85.7169



48.2644, 28.2919, 47.9208

Triad

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



41.4005, 28.2919, 85.7169



32.3433, 28.2919, 3.0339



12.8508, 28.2919, 44.6456

Complementary

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



41.4005, 28.2919, 85.7169



50.5035, 71.9480, 26.8493

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.



12.9942, 28.2919, 18.3438



41.4005, 28.2919, 85.7169



22.8617, 28.2919, 2.8934

Square

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



41.4005, 28.2919, 85.7169



42.2575, 28.2919, 7.1047



16.2419, 28.2919, 6.4391



15.7900, 28.2919, 82.1508

Rectangle

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



41.4005, 28.2919, 85.7169



49.3117, 28.2919, 27.6865



16.2419, 28.2919, 6.4391



12.5654, 28.2919, 34.1495

Sweetspot

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



41.4016, 28.2930, 85.7176



77.0755, 73.4206, 104.7170



36.9420, 38.6088, 87.9437



16.0528, 15.0700, 22.3127



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.



41.4016, 28.2930, 85.7176



41.8903, 25.4984, 97.3216



56.6420, 36.2568, 81.5920



15.7426, 15.6645, 19.9154



14.1626, 6.3065, 45.5987



1.2923, 0.5835, 3.7987

Inverse Universe

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



49.0024, 33.2010, 41.3623



52.0824, 32.0512, 39.1278



41.3218, 67.1719, 28.3518



16.0623, 15.8746, 17.8845



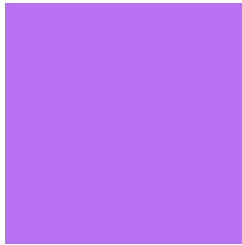
21.1550, 10.7344, 8.7329



1.8091, 0.9127, 0.9857

Previews

White Background



This preview shows how the XYZ color 41.4005, 28.2919, 85.7169 looks on a white background.

Color Contrast Check

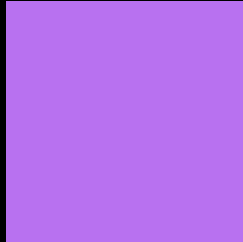
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.4005, 28.2919, 85.7169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

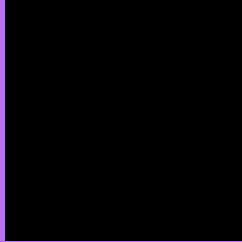
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.4005, 28.2919, 85.7169

Background



This preview shows how black text looks on a background with the XYZ color 41.4005, 28.2919, 85.7169.

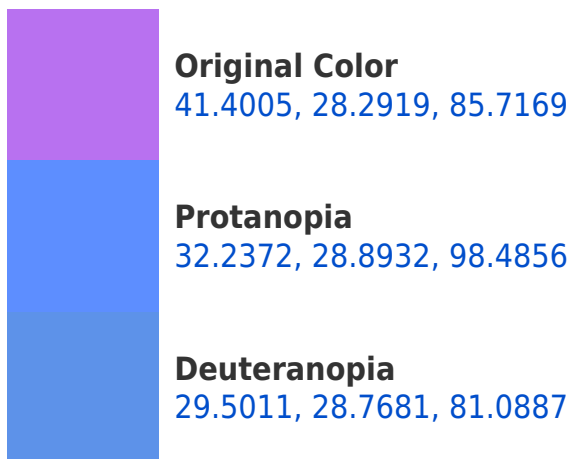


This preview shows how white text looks on a background with the XYZ color 41.4005, 28.2919,

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





Tritanopia

30.2191, 28.0397, 31.4233

Trichromacy



Original Color

41.4005, 28.2919, 85.7169

Protanomaly

33.9758, 27.5703, 93.9734

Deuteranomaly

32.2696, 27.5419, 82.9722

Tritanomaly

33.5152, 27.7732, 47.3104

Monochromacy



Original Color

41.4005, 28.2919, 85.7169

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.1479, 28.6671, 48.0949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4005, 28.2919, 85.7169 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(184, 113, 240)` looks like.

```
.text, #text, p{  
    color:rgb(184, 113, 240)  
}
```

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(184, 113, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 113, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.4005, 28.2919, 85.7169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

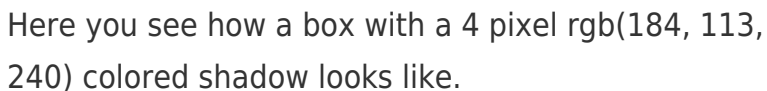
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 113, 240) }
```


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

```
.border{ border-color:rgb(184, 113, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 113, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 113, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 113, 240);  
box-shadow:4px 4px 4px 4px rgb(184, 113,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4005, 28.2919, 85.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 113, 240) }
```

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

```
.background{ background-color: rgb(184,  
113, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor