

Converting Colors

XYZ(40.9870, 26.8439, 74.6955)

Have a look what the booklet for
XYZ(40.9870, 26.8439, 74.6955)
contains.

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Color

**XYZ(41.1835, 26.9937,
74.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	C368E2
RGB	195, 104, 226
RGB Percent	76%, 41%, 89%
CMY	0.2353, 0.5921, 0.1137
CMYK	0.14, 0.54, 0.00, 0.11
HSL	285°, 68%, 65%
HSV	285°, 54%, 89%
XYZ	41.1835, 26.9937, 74.9912
YIQ	145.1170, 15.0740, 57.2340

Conversions

Conversions Part 2

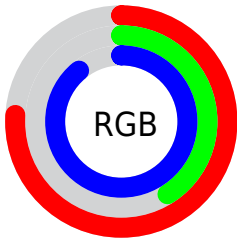
Format	Color
R _Y B	195, 104, 226
Decimal	12806370
CIE Lab	58.97, 55.21, -47.37
CIE LCh	59, 72.747, 319.374
Yxy	26.9937, 0.2877, 0.1885
Android (android.graphics.Color)	4290996450 (0xFFC368E2)
YUV	145.1170, 39.8753, 43.7474
Hunter-Lab	51.9555, 50.5694, -49.2089

Details

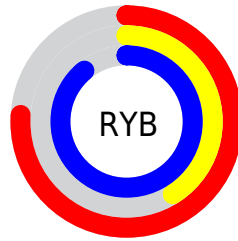
The XYZ color **41.1835, 26.9937, 74.9912** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.6874, 60.5437, 22.6921**, and the grayscale version is **26.8009, 28.1966, 30.7062**.

A 20% lighter version of the original color is **71.1499, 52.7446, 101.0384**, and **18.8775, 10.5868, 39.0787** is the 20% darker color. If you saturate the color by 10%, you get **37.7509, 22.2881, 74.2643**, and if you desaturate by 10%, it is **45.2847, 32.9498, 75.9251**.

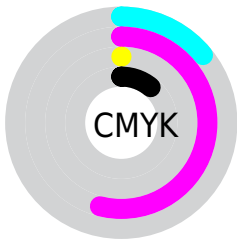
Distribution



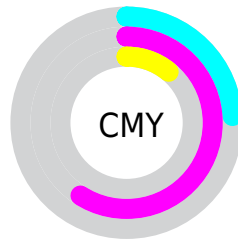
- Red (76%)
- Green (41%)
- Blue (89%)



- Red (76%)
- Yellow (41%)
- Blue (89%)



- Cyan (14%)
- Magenta (54%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (59%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1835, 26.9937, 74.9912 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 41.1835, 26.9937, 74.9912 by changing the saturation by 10% instead.


 41.1835, 26.9937,
74.9912


 41.1835, 26.9937,
74.9912

342.1365,
287.6266, 497.1419


 28.6508, 17.5685,
55.1040


 76.2353, 54.8738,
128.0469


 18.9598, 10.6406,
39.0858


 99.4852, 74.0974,
162.0525

 11.7450, 5.8257,
26.5182


 127.0381, 97.3560,
201.6012

 6.6413, 2.7394,
16.9824

 159.2594,
125.0339, 247.1117

 3.2831, 0.9972,
10.0601

196.5146,
157.5155, 299.0025

 1.3052, 0.0000,
5.3327

239.1689,

 0.1871, 0.0000,

195.1852, 357.6921

2.3816

287.5878,
238.4275, 423.5991

■ 0.0000, 0.0000,
0.7764

■ 0.0000, 0.0000,
0.0000

■ 41.1835, 26.9937,
74.9912

■ 41.1835, 26.9937,
74.9912

■ 37.7509, 22.2881,
74.2643

■ 45.2847, 32.9498,
75.9251

■ 34.9332, 18.7297,
73.7259

■ 50.0964, 40.2422,
77.0791

■ 32.6731, 16.2035,
73.3575

■ 55.6604, 48.9527,
78.4671

■ 30.8997, 14.5689,
73.1354

■ 62.0145, 59.1558,
80.1016

■ 29.9989, 13.8792,
73.0498

■ 69.1936, 70.9206,
81.9941

■ 77.2304, 84.3117,
84.1552

■ 83.8144, 94.7072,
85.8148

■ 85.7434, 95.7016,
85.9050

■ 87.7341, 96.7279,
85.9982

Harmonies

Analogous

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



31.8451, 26.9937, 105.4632



41.1835, 26.9937, 74.9912



46.7339, 26.9937, 39.5246

Triad

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



41.1835, 26.9937, 74.9912



28.9863, 26.9937, 2.6222



12.5359, 26.9937, 49.1196

Complementary

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



41.1835, 26.9937, 74.9912



39.6874, 60.5437, 22.6921

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.



12.1162, 26.9937, 21.1578



41.1835, 26.9937, 74.9912



20.3269, 26.9937, 3.0332

Square

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



41.1835, 26.9937, 74.9912



38.6738, 26.9937, 5.5247



14.6243, 26.9937, 7.4740



15.9472, 26.9937, 85.4372

Rectangle

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



41.1835, 26.9937, 74.9912



46.8320, 26.9937, 22.0266



14.6243, 26.9937, 7.4740



12.0764, 26.9937, 38.2386

Sweetspot

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



41.1845, 26.9948, 74.9918



79.6755, 74.7610, 104.8387



28.3168, 26.1941, 75.5154



16.6746, 15.3906, 22.3418



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.



41.1845, 26.9948, 74.9918



49.0503, 28.5353, 97.5304



46.4543, 30.1260, 56.5116



13.9372, 13.7512, 17.3074



17.2292, 7.9773, 41.6801



1.2753, 0.5947, 2.8928

Inverse Universe

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



40.6882, 27.8196, 26.1476



48.9548, 30.0951, 24.8316



37.1030, 59.0152, 31.4342



13.8494, 13.7574, 14.9772



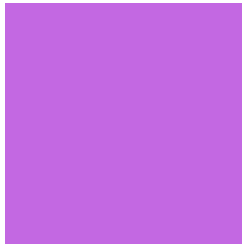
18.3612, 9.4115, 3.3020



1.3085, 0.6667, 0.4176

Previews

White Background



This preview shows how the XYZ color 41.1835, 26.9937, 74.9912 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 41.1835, 26.9937, 74.9912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

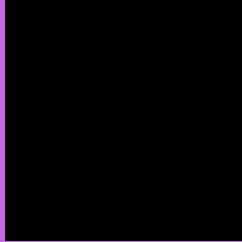
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.1835, 26.9937, 74.9912

Background



This preview shows how black text looks on a background with the XYZ color 41.1835, 26.9937, 74.9912.

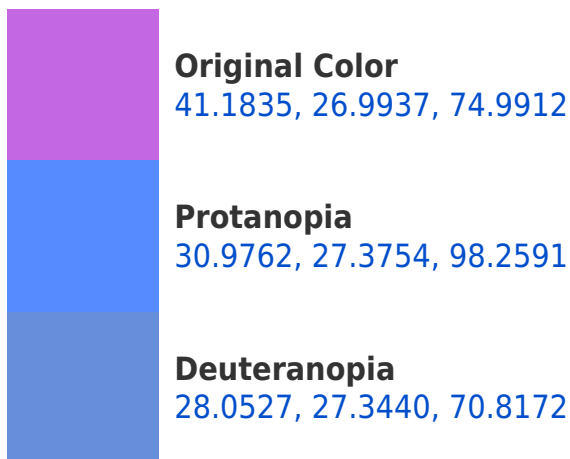


This preview shows how white text looks on a background with the XYZ color 41.1835, 26.9937,

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

31.3961, 26.9300, 27.2102

Trichromacy



Original Color

41.1835, 26.9937, 74.9912



Protanomaly

32.3942, 25.8890, 88.8777



Deuteranomaly

31.0573, 25.9465, 72.4785



Tritanomaly

34.2518, 26.6230, 40.8696

Monochromacy



Original Color

41.1835, 26.9937, 74.9912



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

30.7269, 26.8078, 43.5993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1835, 26.9937, 74.9912 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(195, 104, 226)` looks like.

```
.text, #text, p{  
    color:rgb(195, 104, 226)  
}
```

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(195, 104, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 104, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.1835, 26.9937, 74.9912 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(195, 104, 226) }
```


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

```
.border{ border-color:rgb(195, 104, 226) }
```

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

Here you see how a box with a 4 pixel rgb(195, 104, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 104, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 104, 226);  
box-shadow:4px 4px 4px 4px rgb(195, 104,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1835, 26.9937, 74.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 104, 226) }
```

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

```
.background{ background-color: rgb(195,  
104, 226) }
```

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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