

Converting Colors

XYZ(41.0615, 29.0105, 82.5811)

Have a look what the booklet for
XYZ(41.0615, 29.0105, 82.5811)
contains.

XYZ(41.1472, 29.0803, 82.8012)	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(41.1472, 29.0803,
82.8012)**

Conversions

Conversions Part 1

Format	Color
Hex	B776EC
RGB	183, 118, 236
RGB Percent	72%, 46%, 93%
CMY	0.2823, 0.5372, 0.0745
CMYK	0.22, 0.50, 0.00, 0.07
HSL	273°, 76%, 69%
HSV	273°, 50%, 93%
XYZ	41.1472, 29.0803, 82.8012
YIQ	150.8870, 0.8620, 50.4780

Conversions

Conversions Part 2

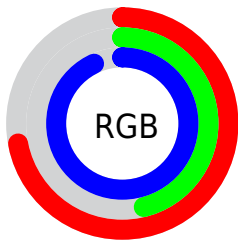
Format	Color
RYB	183, 118, 236
Decimal	12023532
CIELab	60.85, 46.98, -50.05
CIELCh	61, 68.646, 313.190
Yxy	29.0803, 0.2689, 0.1900
Android (android.graphics.Color)	4290213612 (0xFFB776EC)
YUV	150.8870, 41.9607, 28.1631
Hunter-Lab	53.9262, 41.8298, -53.2888

Details

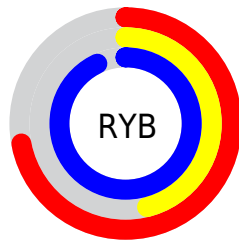
The XYZ color **41.1472, 29.0803, 82.8012** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.0607, 69.9574, 28.0053**, and the grayscale version is **29.1943, 30.7147, 33.4483**.

A 20% lighter version of the original color is **69.0782, 55.4258, 101.6652**, and **18.8962, 11.7810, 43.9258** is the 20% darker color. If you saturate the color by 10%, you get **36.2809, 22.9498, 81.8749**, and if you desaturate by 10%, it is **46.9008, 36.7012, 83.9694**.

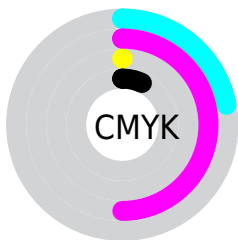
Distribution



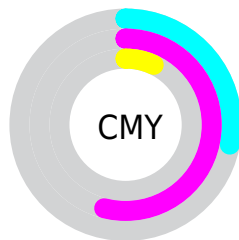
- Red (72%)
- Green (46%)
- Blue (93%)



- Red (72%)
- Yellow (46%)
- Blue (93%)



- Cyan (22%)
- Magenta (50%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (54%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1472, 29.0803, 82.8012 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 41.1472, 29.0803, 82.8012 by changing the saturation by 10% instead.

41.1472, 29.0803,
82.8012

41.1472, 29.0803,
82.8012

341.9875,
297.5936, 524.2774

28.6223, 19.1416,
61.4865

76.1806, 58.2046,
139.1437

18.9381, 11.7726,
44.1848

99.4198, 78.1590,
175.0087

11.7293, 6.5890,
30.4776

126.9611,
102.2208, 216.5607

6.6305, 3.2065,
19.9462

159.1700,
130.7743, 264.2185

3.2764, 1.2404,
12.1723

196.4117,
164.2039, 318.4005

1.3016, 0.0944,
6.7372

239.0516,

0.1844, 0.0000,

202.8941, 379.5253

3.2223

287.4551,
247.2292, 448.0114

■ 0.0000, 0.0000,
1.2092

■ 0.0000, 0.0000,
0.0000

■ 41.1472, 29.0803,
82.8012

■ 41.1472, 29.0803,
82.8012

■ 36.2809, 22.9498,
81.8749

■ 46.9008, 36.7012,
83.9694

■ 32.2415, 18.1984,
81.1707


■ 53.5897, 45.9059,
85.3936

■ 28.9653, 14.7042,
80.6689


■ 61.2621, 56.7841,
87.0889


■ 26.3761, 12.3212,
80.3454


■ 69.9618, 69.4175,
89.0689

 24.3469, 10.8023,
80.1592

 79.7297, 83.8824,
91.3461

 24.3466, 10.8021,
80.1592

 89.1179, 97.2780,
93.4369

 92.1404, 98.8362,
93.5783

Harmonies

Analogous

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



31.7491, 29.0803, 107.8067



41.1472, 29.0803, 82.8012



47.5675, 29.0803, 48.1342

Triad

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



41.1472, 29.0803, 82.8012



32.9131, 29.0803, 4.0555



14.0585, 29.0803, 44.2721

Complementary

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



41.1472, 29.0803, 82.8012



50.0607, 69.9574, 28.0053

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.



14.2383, 29.0803, 19.4574



41.1472, 29.0803, 82.8012



23.9016, 29.0803, 3.8545

Square

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



41.1472, 29.0803, 82.8012



42.1561, 29.0803, 8.5134



17.4686, 29.0803, 7.6301



16.9094, 29.0803, 78.6983

Rectangle

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



41.1472, 29.0803, 82.8012



48.5910, 29.0803, 29.0033



17.4686, 29.0803, 7.6301



13.7884, 29.0803, 34.4816

Sweetspot

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



41.1483, 29.0814, 82.8019



77.9980, 74.8630, 104.9468



37.1943, 39.0724, 84.9387



16.2313, 15.3523, 22.3578



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.



41.1483, 29.0814, 82.8019



43.1193, 27.1970, 97.5847



55.3682, 36.5095, 79.0659



15.0245, 14.9579, 19.0175



13.5716, 6.0323, 44.1920



1.1762, 0.5307, 3.4753

Inverse Universe

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



48.4219, 33.7310, 42.4874



53.3153, 33.6923, 42.0812



41.0993, 65.2958, 29.4739



15.3467, 15.1665, 17.1109



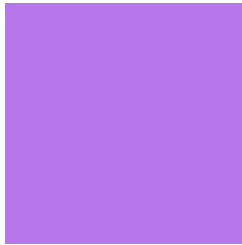
20.5649, 10.4287, 8.7763



1.6627, 0.8380, 0.9411

Previews

White Background



This preview shows how the XYZ color 41.1472, 29.0803, 82.8012 looks on a white background.

Color Contrast Check

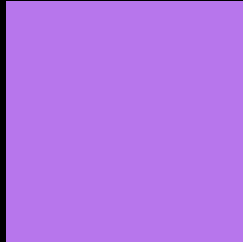
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.1472, 29.0803, 82.8012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

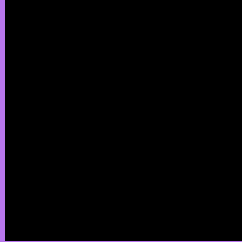
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.1472, 29.0803, 82.8012

Background



This preview shows how black text looks on a background with the XYZ color 41.1472, 29.0803, 82.8012.



This preview shows how white text looks on a background with the XYZ color 41.1472, 29.0803,

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

41.1472, 29.0803, 82.8012

Protanopia

32.8022, 29.4063, 98.5549

Deuteranopia

30.1961, 29.4054, 78.9472



Tritanopia

30.8861, 28.9921, 32.8223

Trichromacy



Original Color

41.1472, 29.0803, 82.8012



Protanomaly

34.3705, 28.4167, 92.4804



Deuteranomaly

32.7297, 28.2598, 80.0736



Tritanomaly

33.6904, 28.4530, 47.4324

Monochromacy



Original Color

41.1472, 29.0803, 82.8012



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

32.7804, 29.6292, 48.2473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1472, 29.0803, 82.8012 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(183, 118, 236)` looks like.

```
.text, #text, p{  
    color:rgb(183, 118, 236)  
}
```

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(183, 118, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 118, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.1472, 29.0803, 82.8012 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(183, 118, 236) }
```


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

```
.border{ border-color:rgb(183, 118, 236) }
```

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

Here you see how a box with a 4 pixel rgb(183, 118, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 118, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 118, 236);  
box-shadow:4px 4px 4px 4px rgb(183, 118,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1472, 29.0803, 82.8012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 118, 236) }
```

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

```
.background{ background-color: rgb(183,  
118, 236) }
```

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