

Converting Colors

XYZ(41.3708, 31.3085, 82.4046)

Have a look what the booklet for
XYZ(41.3708, 31.3085, 82.4046)
contains.

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Color

**XYZ(41.4361, 31.2824,
82.4514)**

Conversions

Conversions Part 1

Format	Color
Hex	B381EB
RGB	179, 129, 235
RGB Percent	70%, 51%, 92%
CMY	0.2980, 0.4941, 0.0784
CMYK	0.24, 0.45, 0.00, 0.08
HSL	268°, 73%, 71%
HSV	268°, 45%, 92%
XYZ	41.4361, 31.2824, 82.4514
YIQ	156.0340, -4.2260, 43.5660

Conversions

Conversions Part 2

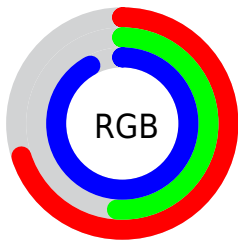
Format	Color
R_{YB}	179, 129, 235
Decimal	11764203
CIE _{Lab}	62.75, 39.71, -46.53
CIE _{LCh}	63, 61.167, 310.477
Yxy	31.2824, 0.2670, 0.2016
Android (android.graphics.Color)	4289954283 (0xFFB381EB)
YUV	156.0340, 38.9302, 20.1412
Hunter-Lab	55.9307, 34.3626, -48.2522

Details

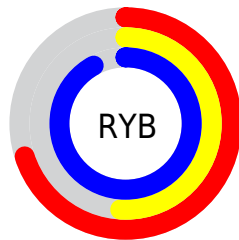
The XYZ color **41.4361, 31.2824, 82.4514** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.6790, 71.3165, 31.7063**, and the grayscale version is **31.4494, 33.0872, 36.0319**.

A 20% lighter version of the original color is **69.9085, 59.0915, 102.3290**, and **19.1733, 12.9885, 44.1443** is the 20% darker color. If you saturate the color by 10%, you get **35.9479, 24.3749, 81.4079**, and if you desaturate by 10%, it is **47.8967, 39.7490, 83.7457**.

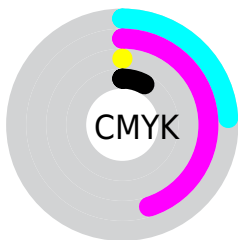
Distribution



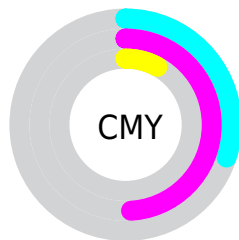
- Red (70%)
- Green (51%)
- Blue (92%)



- Red (70%)
- Yellow (51%)
- Blue (92%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (8%)





- Cyan (30%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4361, 31.2824, 82.4514 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 41.4361, 31.2824, 82.4514 by changing the saturation by 10% instead.


 41.4361, 31.2824,
82.4514


 41.4361, 31.2824,
82.4514

343.1715,
307.8372, 523.0794


 28.8492, 20.8140,
61.1997


 76.6160, 61.6844,
138.6492

 19.1105, 12.9881,
43.9548


 99.9397, 82.3868,
174.4324

 11.8546, 7.4204,
30.2980


 127.5730,
107.2693, 215.8965

 6.7162, 3.7263,
19.8109

159.8813,
136.7163, 263.4600

 3.3300, 1.5217,
12.0750

197.2300,
171.1122, 317.5415

 1.3306, 0.3039,
6.6716

239.9843,

 0.2059, 0.0000,

210.8414, 378.5595

3.1823

288.5097,
256.2883, 446.9327

■ 0.0000, 0.0000,
1.1884

■ 0.0000, 0.0000,
0.0000

■ 41.4361, 31.2824,
82.4514

■ 41.4361, 31.2824,
82.4514

■ 35.9479, 24.3749,
81.4079

■ 47.8967, 39.7490,
83.7457

■ 31.3724, 18.9203,
80.5962

■ 55.3775, 49.8640,
85.3038

■ 27.6479, 14.8047,
79.9981

■ 63.9271, 61.7138,
87.1404

■ 24.7021, 11.8945,
79.5917

■ 73.5897, 75.3780,
89.2686

■ 22.4475, 10.0262,
79.3499

■ 84.4068, 90.9309,
91.7005

■ 21.5324, 9.3681,
79.2711

■ 91.4430, 98.4934,
92.7893

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



32.7529, 31.2824, 102.3469



41.4361, 31.2824, 82.4514



47.6025, 31.2824, 51.8783

Triad

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



41.4361, 31.2824, 82.4514



35.4348, 31.2824, 6.4880



16.5619, 31.2824, 43.1373

Complementary

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



41.4361, 31.2824, 82.4514



53.6790, 71.3165, 31.7063

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.



17.0101, 31.2824, 20.8767



41.4361, 31.2824, 82.4514



26.9046, 31.2824, 5.8855

Square

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



41.4361, 31.2824, 82.4514



43.7131, 31.2824, 12.0647



20.4713, 31.2824, 9.6727



19.1051, 31.2824, 73.5378

Rectangle

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



41.4361, 31.2824, 82.4514



48.8777, 31.2824, 33.6792



20.4713, 31.2824, 9.6727



16.3815, 31.2824, 34.4461

Sweetspot

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



41.4373, 31.2836, 82.4521



78.0984, 75.8965, 105.1410



41.5104, 45.5879, 85.2093



16.2085, 15.5338, 22.3940



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.



41.4373, 31.2836, 82.4521



43.7978, 29.9887, 98.0877



55.9523, 38.7664, 83.1314



14.9069, 14.8973, 19.0120



12.1286, 5.2884, 44.1245



1.0627, 0.4721, 3.4700

Inverse Universe

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



50.8689, 36.8665, 50.3343



56.9356, 37.7723, 53.0315



43.2710, 65.9510, 31.2192



15.3980, 15.1870, 17.3811



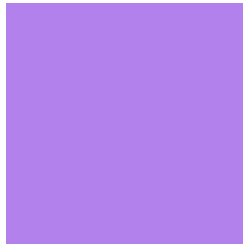
21.1629, 10.6679, 11.9251



1.7104, 0.8571, 1.1922

Previews

White Background



This preview shows how the XYZ color 41.4361, 31.2824, 82.4514 looks on a white background.

Color Contrast Check

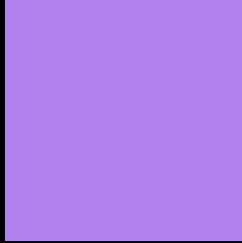
Large Text (above 18pt) WCAG AA × Fail

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 41.4361, 31.2824, 82.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

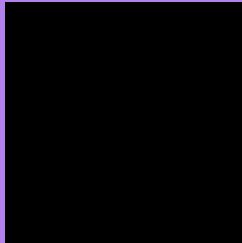
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4361, 31.2824, 82.4514

Background



This preview shows how black text looks on a background with the XYZ color 41.4361, 31.2824, 82.4514.



This preview shows how white text looks on a background with the XYZ color 41.4361, 31.2824,

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

41.4361, 31.2824, 82.4514

Protanopia

34.6248, 31.7744, 96.4036

Deuteranopia

32.2890, 31.4238, 79.2265



Tritanopia

31.9675, 31.0257, 36.6514

Trichromacy



Original Color

41.4361, 31.2824, 82.4514

Protanomaly

36.1391, 31.0682, 91.2808

Deuteranomaly

34.8692, 30.8744, 80.4655

Tritanomaly

34.8186, 30.8474, 50.5734

Monochromacy



Original Color

41.4361, 31.2824, 82.4514

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.3457, 31.9531, 50.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4361, 31.2824, 82.4514 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(179, 129, 235)` looks like.

```
.text, #text, p{  
    color:rgb(179, 129, 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(179, 129, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 129, 235) }
```

Border

The CSS property to change the border of an element to XYZ 41.4361, 31.2824, 82.4514 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(179, 129, 235) }
```


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

```
.border{ border-color:rgb(179, 129, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 129, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 129, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 129, 235);  
box-shadow:4px 4px 4px 4px rgb(179, 129,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4361, 31.2824, 82.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 129, 235) }
```

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

```
.background{ background-color: rgb(179,  
129, 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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