

Converting Colors

XYZ(41.4548, 64.2267, 31.0932)

Have a look what the booklet for
XYZ(41.4548, 64.2267, 31.0932)
contains.

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Color

**XYZ(41.4135, 64.1479,
30.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE981
RGB	124, 233, 129
RGB Percent	49%, 91%, 51%
CMY	0.5137, 0.0863, 0.4941
CMYK	0.47, 0.00, 0.45, 0.09
HSL	123°, 71%, 70%
HSV	123°, 47%, 91%
XYZ	41.4135, 64.1479, 30.9679
YIQ	188.5530, -31.5800, -55.4520

Conversions

Conversions Part 2

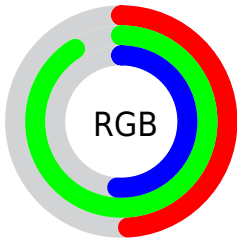
Format	Color
RYB	124, 228, 233
Decimal	8186241
CIELab	84.04, -52.16, 40.96
CIELCh	84, 66.322, 141.859
Yxy	64.1479, 0.3033, 0.4698
Android (android.graphics.Color)	4286376321 (0xFF7CE981)
YUV	188.5530, -29.3596, -56.6130
Hunter-Lab	80.0924, -47.8644, 33.1401

Details

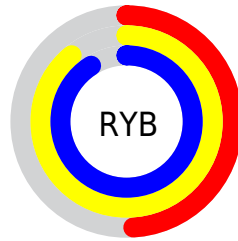
The XYZ color **41.4135, 64.1479, 30.9679** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.8174, 37.3414, 77.7190**, and the grayscale version is **48.2910, 50.8059, 55.3276**.

A 20% lighter version of the original color is **63.5986, 84.8840, 57.8320**, and **18.9792, 32.6765, 12.3281** is the 20% darker color. If you saturate the color by 10%, you get **37.1153, 62.0866, 23.8747**, and if you desaturate by 10%, it is **46.8318, 66.7533, 39.7943**.

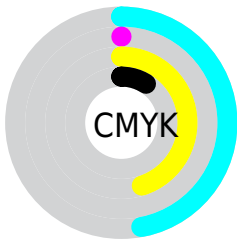
Distribution



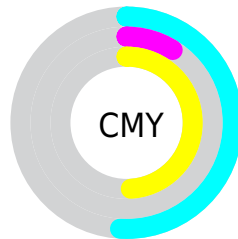
- Red (49%)
- Green (91%)
- Blue (51%)



- Red (49%)
- Yellow (89%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4135, 64.1479, 30.9679 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 41.4135, 64.1479, 30.9679 by changing the saturation by 10% instead.


 41.4135, 64.1479,
30.9679


 41.4135, 64.1479,
30.9679


343.0790,
439.7235, 320.7370


 28.8314, 46.7705,
20.3161


 76.5820, 110.8239,
62.2685

 19.0970, 32.8542,
12.4387

 99.8990, 140.8913,
83.7545

 11.8448, 22.0148,
6.9170


 127.5252,
175.9574, 109.6889

 6.7095, 13.8678,
3.3326

159.8257,
216.4067, 140.4903

 3.3258, 8.0288,
1.2669

197.1660,
262.6236, 176.5773

 1.3283, 4.1134,
0.0344

239.9114,

 0.2043, 1.7372,

314.9924, 218.3684

0.0000

288.4273,
373.8976, 266.2821

■ 0.0000, 0.4476,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4135, 64.1479,
30.9679

■ 41.4135, 64.1479,
30.9679

■ 37.1153, 62.0866,
23.8747

■ 46.8318, 66.7533,
39.7943

■ 33.8546, 60.5235,
18.3968


■ 53.4360, 69.9288,
50.4528


■ 31.5449, 59.4186,
14.4084


■ 61.2925, 73.7085,
63.0402


■ 30.0836, 58.7223,
11.7634

■ 70.4611, 78.1213,
77.6452

 29.3420, 58.3720,
10.2862

 80.9981, 83.1945,
94.3509

 29.1988, 58.3039,
10.0222

 88.4302, 86.7604,
106.6934

Harmonies

Analogous

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



51.0849, 64.1479, 18.5806



41.4135, 64.1479, 30.9679



37.1469, 64.1479, 59.0464

Triad

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



41.4135, 64.1479, 30.9679



57.0728, 64.1479, 183.8117



90.9846, 64.1479, 43.9385

Complementary

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



41.4135, 64.1479, 30.9679



54.8174, 37.3414, 77.7190

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.



93.2744, 64.1479, 81.8885



41.4135, 64.1479, 30.9679



72.0560, 64.1479, 174.4808

Square

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



41.4135, 64.1479, 30.9679



45.1943, 64.1479, 154.3064



85.8806, 64.1479, 132.3572



80.0478, 64.1479, 23.7108

Rectangle

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



41.4135, 64.1479, 30.9679



37.3751, 64.1479, 87.7455



85.8806, 64.1479, 132.3572



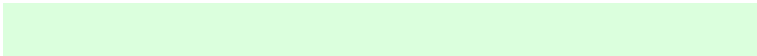
92.8543, 64.1479, 54.5633

Sweetspot

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



41.4151, 64.1506, 30.9693



78.1067, 91.8438, 81.9745



65.2100, 76.4548, 30.3893



16.2216, 19.4194, 16.7536



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.



41.4151, 64.1506, 30.9693



45.7825, 76.3039, 29.6902



45.9100, 65.9486, 54.6394



14.8963, 16.8734, 16.1370



16.5796, 33.0863, 5.7510



1.3118, 2.6020, 0.5037

Inverse Universe

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



54.8174, 37.3414, 77.7190



64.0690, 39.6976, 93.4566



48.5385, 34.8299, 44.6547



15.6832, 15.3011, 18.8831



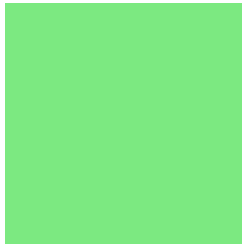
26.5856, 12.8369, 40.4808



2.0969, 1.0117, 3.2274

Previews

White Background



This preview shows how the XYZ color 41.4135, 64.1479, 30.9679 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 41.4135, 64.1479, 30.9679 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

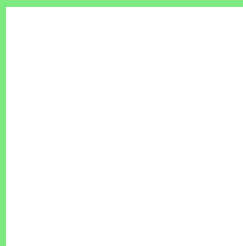
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4135, 64.1479, 30.9679

Background



This preview shows how black text looks on a background with the XYZ color 41.4135, 64.1479, 30.9679.



This preview shows how white text looks on a background with the XYZ color 41.4135, 64.1479,

30.9679.

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

41.4135, 64.1479, 30.9679

Protanopia

57.9409, 62.9618, 26.8683

Deuteranopia

64.3631, 62.9770, 32.4304



Tritanopia

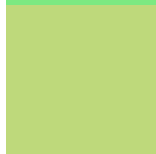
53.0584, 63.5625, 90.3612

Trichromacy



Original Color

41.4135, 64.1479, 30.9679



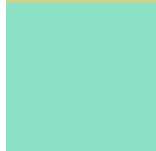
Protanomaly

49.6232, 62.0029, 28.0912



Deuteranomaly

52.4992, 61.1471, 31.5898



Tritanomaly

47.7657, 63.4166, 63.1492

Monochromacy



Original Color

41.4135, 64.1479, 30.9679



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.3234, 54.4520, 44.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4135, 64.1479, 30.9679 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(124, 233, 129)` looks like.

```
.text, #text, p{  
    color:rgb(124, 233, 129)  
}
```

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(124, 233, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 233, 129) }
```

Border

The CSS property to change the border of an element to XYZ 41.4135, 64.1479, 30.9679 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(124, 233, 129) }
```


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

```
.border{ border-color:rgb(124, 233, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 233, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 233, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 233, 129);  
box-shadow:4px 4px 4px 4px rgb(124, 233,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4135, 64.1479, 30.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 233, 129) }
```

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

```
.background{ background-color: rgb(124,  
233, 129) }
```

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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