

Converting Colors

XYZ(63.2470, 81.2369, 46.0650)

Have a look what the booklet for
XYZ(63.2470, 81.2369, 46.0650)
contains.

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Color

**XYZ(63.2470, 81.2369,
46.0650)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F7A1
RGB	199, 247, 161
RGB Percent	78%, 97%, 63%
CMY	0.2196, 0.0314, 0.3686
CMYK	0.19, 0.00, 0.35, 0.03
HSL	93°, 84%, 80%
HSV	93°, 35%, 97%
XYZ	63.2470, 81.2369, 46.0650
YIQ	222.8440, -1.0020, -36.9220

Conversions

Conversions Part 2

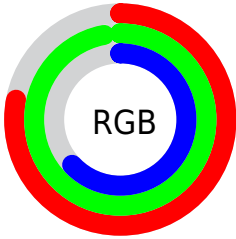
Format	Color
RYB	161, 247, 209
Decimal	13105057
CIELab	92.24, -30.02, 36.47
CIELCh	92, 47.239, 129.455
Yxy	81.2369, 0.3319, 0.4263
Android (android.graphics.Color)	4291295137 (0xFFC7F7A1)
YUV	222.8440, -30.4891, -20.9112
Hunter-Lab	90.1315, -32.4733, 32.7897

Details

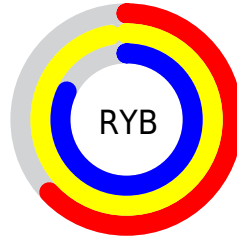
The XYZ color **63.2470, 81.2369, 46.0650** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.8313, 45.7628, 93.8907**, and the grayscale version is **70.2405, 73.8985, 80.4755**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **32.6218, 43.8389, 20.9298** is the 20% darker color. If you saturate the color by 10%, you get **57.7870, 78.6519, 35.5409**, and if you desaturate by 10%, it is **69.4729, 84.1719, 58.8742**.

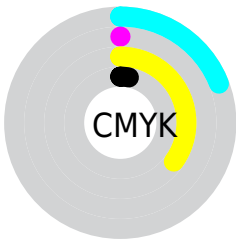
Distribution



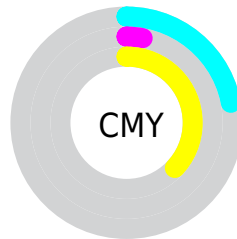
- Red (78%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (82%)



- Cyan (19%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)




- Cyan (22%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2470, 81.2369, 46.0650 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 63.2470, 81.2369, 46.0650 by changing the saturation by 10% instead.


 63.2470, 81.2369,
46.0650


 63.2470, 81.2369,
46.0650


426.1108,
499.0916, 387.3551

 46.3005, 60.7367,
31.9481


 108.6056,
135.1034, 85.6516

 32.6886, 44.0127,
21.0574


 137.7483,
169.2384, 111.9583

 22.0461, 30.6805,
12.9743


171.6872,
208.6873, 143.1654

 14.0076, 20.3557,
7.2803

210.7876,
253.8342, 179.6914

 8.2077, 12.6539,
3.5569

255.4147,
305.0638, 221.9548

 4.2810, 7.1906,
1.3856

305.9341,

 1.8623, 3.5816,

362.7602, 270.3742

0.1304

362.7110,
427.3080, 325.3681

■ 0.5548, 1.4424,
0.0000

■ 0.0000, 0.2477,
0.0000

■ 63.2470, 81.2369,
46.0650

■ 63.2470, 81.2369,
46.0650

■ 57.7870, 78.6519,
35.5409

■ 69.4729, 84.1719,
58.8742

■ 53.0525, 76.3918,
27.1621

■ 76.4904, 87.4601,
74.0868

■ 49.0083, 74.4440,
20.7817

■ 84.3313, 91.1179,
91.8190

■ 45.6131, 72.7909,
16.2323

■ 92.2404, 94.8440,
108.0529

■ 42.8201, 71.4126,
13.3188

■ 92.5525, 95.0049,
108.0675

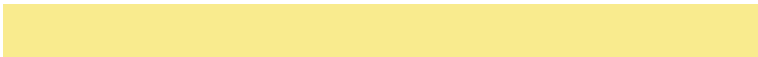
■ 40.5731, 70.2855,
11.8020

■ 39.5855, 69.7846,
11.3834

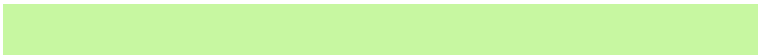
Harmonies

Analogous

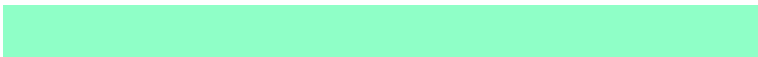
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4240, 81.2369, 37.3616



63.2470, 81.2369, 46.0650



57.2671, 81.2369, 66.9121

Triad

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



63.2470, 81.2369, 46.0650



69.2712, 81.2369, 167.4401



102.7367, 81.2369, 77.8709

Complementary

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



63.2470, 81.2369, 46.0650



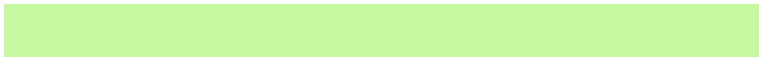
55.8313, 45.7628, 93.8907

Split Complementary

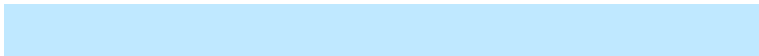
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3241, 81.2369, 114.1825



63.2470, 81.2369, 46.0650



81.1307, 81.2369, 172.6340

Square

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



63.2470, 81.2369, 46.0650



60.4825, 81.2369, 138.3738



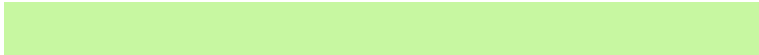
93.0975, 81.2369, 151.1154



96.7756, 81.2369, 52.2655

Rectangle

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



63.2470, 81.2369, 46.0650



56.0544, 81.2369, 87.8160



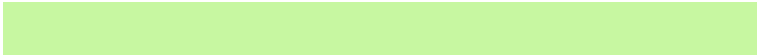
93.0975, 81.2369, 151.1154



103.1214, 81.2369, 89.0934

Sweetspot

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



63.2491, 81.2404, 46.0668



86.1687, 95.8648, 88.4575



67.4231, 67.6087, 43.2156



18.1921, 20.4016, 18.3668



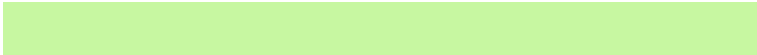
0.0000, 0.0000, 0.0000



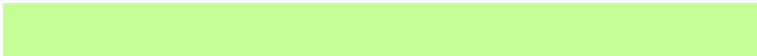
20.3446, 21.4041, 23.3091

Same Dimension

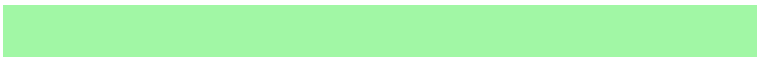
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.2491, 81.2404, 46.0668



63.6597, 85.2863, 41.0822



54.7800, 76.8299, 47.6844



16.9771, 18.8302, 17.5374



21.0916, 36.9859, 6.0274



1.9698, 3.3105, 0.5352

Inverse Universe

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



55.8313, 45.7628, 93.8907



54.5470, 41.7321, 99.7879



67.2382, 51.7191, 90.9999



16.4660, 16.3829, 20.8369



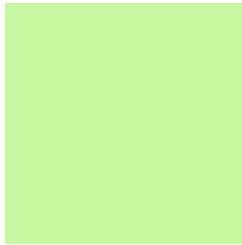
14.5768, 6.4889, 47.0222



1.3992, 0.6312, 4.1383

Previews

White Background



This preview shows how the XYZ color 63.2470, 81.2369, 46.0650 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 63.2470, 81.2369, 46.0650 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

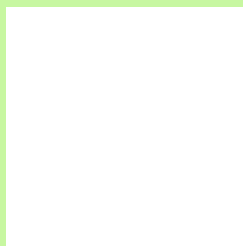
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2470, 81.2369, 46.0650

Background



This preview shows how black text looks on a background with the XYZ color 63.2470, 81.2369, 46.0650.



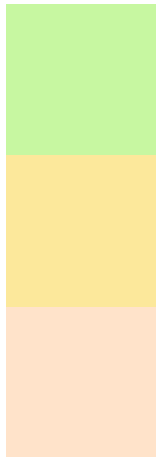
This preview shows how white text looks on a background with the XYZ color 63.2470, 81.2369,

46.0650.

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

63.2470, 81.2369, 46.0650

Protanopia

74.9179, 80.7752, 42.6529

Deuteranopia

79.3698, 80.4624, 67.2247



Tritanopia

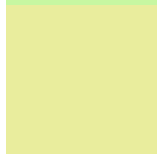
75.0383, 80.7186, 105.3912

Trichromacy



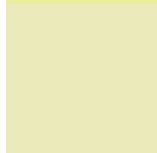
Original Color

63.2470, 81.2369, 46.0650



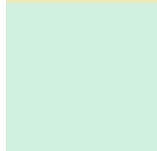
Protanomaly

69.9743, 80.3263, 43.7148



Deuteranomaly

72.6534, 80.0957, 58.6445



Tritanomaly

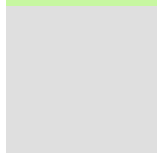
69.7972, 80.3102, 79.5329

Monochromacy



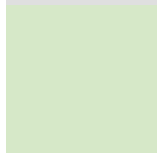
Original Color

63.2470, 81.2369, 46.0650



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.0135, 76.1795, 65.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2470, 81.2369, 46.0650 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(199, 247, 161)` looks like.

```
.text, #text, p{  
    color:rgb(199, 247, 161)  
}
```

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(199, 247, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 247, 161) }
```

Border

The CSS property to change the border of an element to XYZ 63.2470, 81.2369, 46.0650 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(199, 247, 161) }
```


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

```
.border{ border-color:rgb(199, 247, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 247, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 247, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 247, 161);  
box-shadow:4px 4px 4px 4px rgb(199, 247,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2470, 81.2369, 46.0650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 247, 161) }
```

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

```
.background{ background-color: rgb(199,  
247, 161) }
```

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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