

# Converting Colors

XYZ(64.0818, 82.4383, 19.0437)

Have a look what the booklet for  
XYZ(64.0818, 82.4383, 19.0437)  
contains.

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# Color

**XYZ(64.0120, 82.2316,  
18.9771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF74A
RGB	220, 247, 74
RGB Percent	86%, 97%, 29%
CMY	0.1373, 0.0313, 0.7098
CMYK	0.11, 0.00, 0.70, 0.03
HSL	69°, 92%, 63%
HSV	69°, 70%, 97%
XYZ	64.0120, 82.2316, 18.9771
YIQ	219.2050, 39.4410, -59.5270

# Conversions

## Conversions Part 2

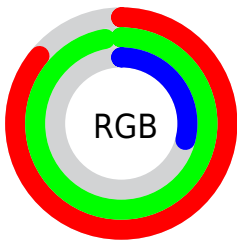
Format	Color
<b>RYB</b>	74, 247, 101
Decimal	14481226
CIELab	92.68, -30.16, 75.66
CIELCh	93, 81.448, 111.736
Yxy	82.2316, 0.3874, 0.4977
Android (android.graphics.Color)	4292671306 (0xFFDCE74A)
YUV	219.2050, -71.5861, 0.6972
Hunter-Lab	90.6816, -32.6901, 51.0694

# Details

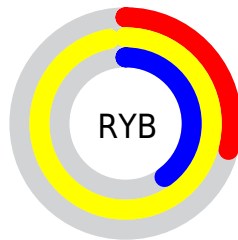
The XYZ color **64.0120, 82.2316, 18.9771** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed yellow. A complement of this color would be **24.6070, 14.3817, 89.4797**, and the grayscale version is **67.9389, 71.4770, 77.8385**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **33.3287, 44.8387, 6.8981** is the 20% darker color. If you saturate the color by 10%, you get **62.1848, 81.3704, 15.3683**, and if you desaturate by 10%, it is **66.1965, 83.2447, 24.3100**.

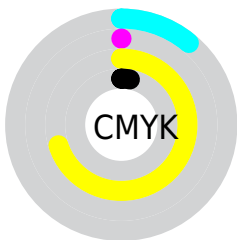
# Distribution



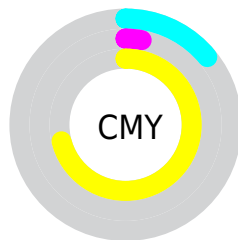
- Red (86%)
- Green (97%)
- Blue (29%)



- Red (29%)
- Yellow (97%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (70%)
- Black (3%)




- Cyan (14%)
- Magenta (3%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0120, 82.2316, 18.9771 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 64.0120, 82.2316, 18.9771 by changing the saturation by 10% instead.





 64.0120, 82.2316,  
18.9771


 64.0120, 82.2316,  
18.9771


428.8345,  
502.4221, 258.7408


 46.9221, 61.5565,  
11.4771


 109.7019,  
136.4987, 42.5316


 33.1818, 44.6744,  
6.2705


 139.0325,  
170.8595, 59.4231


 22.4256, 31.2010,  
2.9388


 173.1742,  
210.5510, 80.2823

 14.2883, 20.7520,  
1.0635

 212.4922,  
255.9575, 105.5276

 8.4045, 12.9428,  
0.0000

 257.3518,  
307.4635, 135.5775

 4.4088, 7.3892,  
0.0000

308.1185,

 1.9359, 3.7067,

365.4533, 170.8507

0.0000

365.1576,  
430.3113, 211.7656

■ 0.5976, 1.5109,  
0.0000

■ 0.0000, 0.2964,  
0.0000

■ 64.0120, 82.2316,  
18.9771

■ 64.0120, 82.2316,  
18.9771

■ 62.1848, 81.3704,  
15.3683

■ 66.1965, 83.2447,  
24.3100


■ 60.6682, 80.6336,  
13.2638


■ 68.7668, 84.4124,  
31.5418


■ 59.4007, 80.0000,  
12.3108


■ 71.7549, 85.7503,  
40.8315


■ 75.1879, 87.2693,  
52.3201

 79.0902, 88.9793,  
66.1362

 83.4845, 90.8893,  
82.3983

 88.3921, 93.0078,  
101.2170

 91.0413, 94.2262,  
107.9968

 92.4436, 94.9491,  
108.0624

# Harmonies

## Analogous

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



84.1662, 82.2316, 16.5669



64.0120, 82.2316, 18.9771



50.3195, 82.2316, 34.9470

# Triad

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



64.0120, 82.2316, 18.9771



55.5321, 82.2316, 216.0593



125.8445, 82.2316, 107.3889

# Complementary

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



64.0120, 82.2316, 18.9771



24.6070, 14.3817, 89.4797

# 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.



114.7379, 82.2316, 183.0544



64.0120, 82.2316, 18.9771



72.4440, 82.2316, 261.9142

# Square

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



64.0120, 82.2316, 18.9771



46.0756, 82.2316, 140.1097



94.2497, 82.2316, 247.6801



122.4746, 82.2316, 52.8838



# Rectangle

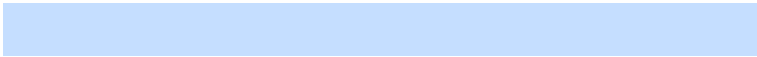
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0120, 82.2316, 18.9771



45.4842, 82.2316, 57.7029



94.2497, 82.2316, 247.6801



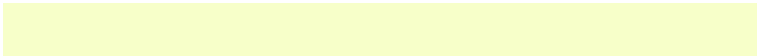
123.6179, 82.2316, 131.3391

# Sweetspot

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



64.0139, 82.2353, 18.9788



84.5867, 95.4671, 69.5051



44.1492, 29.3758, 9.8229



17.8486, 20.3218, 13.9578



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.



64.0139, 82.2353, 18.9788



66.1468, 87.1391, 15.4128



44.4193, 72.1340, 18.0618



17.6457, 19.1749, 17.5687



31.5128, 42.3582, 6.5151



2.8366, 3.7574, 0.5757



# Inverse Universe

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



24.6070, 14.3817, 89.4797



21.6785, 10.2574, 95.4450



39.5994, 22.1105, 90.1813



15.8220, 16.0509, 20.8068



9.3873, 3.8136, 46.7794



0.8950, 0.3712, 4.1147



# Previews

## White Background



This preview shows how the XYZ color 64.0120, 82.2316, 18.9771 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 64.0120, 82.2316, 18.9771 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 64.0120, 82.2316, 18.9771

## Background



This preview shows how black text looks on a background with the XYZ color 64.0120, 82.2316, 18.9771.



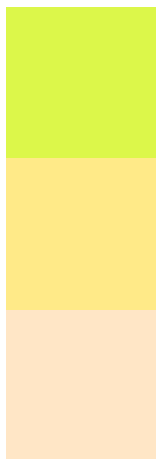
This preview shows how white text looks on a background with the XYZ color 64.0120, 82.2316,



# 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

64.0120, 82.2316, 18.9771

### Protanopia

75.1068, 81.8832, 35.1390

### Deuteranopia

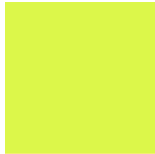
79.7299, 81.9308, 65.0381



## Tritanopia

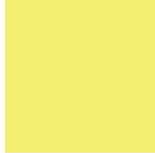
80.5998, 81.9959, 101.2013

# Trichromacy



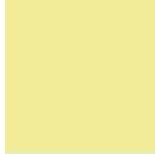
## Original Color

64.0120, 82.2316, 18.9771



## Protanomaly

70.4651, 81.8025, 27.6983



## Deuteranomaly

72.3632, 81.1681, 41.9900



## Tritanomaly

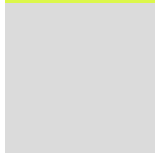
71.9961, 81.0601, 57.7505

# Monochromacy



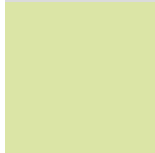
## Original Color

64.0120, 82.2316, 18.9771



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.1157, 73.8519, 46.9520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0120, 82.2316, 18.9771 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(220, 247, 74)` looks like.

```
.text, #text, p{  
    color:rgb(220, 247, 74)  
}
```

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(220, 247, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 247, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0120, 82.2316, 18.9771 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(220, 247, 74) }
```



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

```
.border{ border-color:rgb(220, 247, 74) }
```

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

Here you see how a box with a 4 pixel rgb(220, 247, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 247, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 247, 74);  
box-shadow:4px 4px 4px 4px rgb(220, 247,  
74) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0120, 82.2316, 18.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 247, 74) }
```

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

```
.background{ background-color: rgb(220,  
247, 74) }
```

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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