

# Converting Colors

XYZ(64.1369, 83.7613, 15.0727)

Have a look what the booklet for  
XYZ(64.1369, 83.7613, 15.0727)  
contains.

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# Color

**XYZ(64.1369, 83.7613,  
15.0727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFA2B
RGB	220, 250, 43
RGB Percent	86%, 98%, 17%
CMY	0.1373, 0.0196, 0.8313
CMYK	0.12, 0.00, 0.83, 0.02
HSL	69°, 95%, 57%
HSV	69°, 83%, 98%
XYZ	64.1369, 83.7613, 15.0727
YIQ	217.4320, 48.5670, -70.7370

# Conversions

## Conversions Part 2

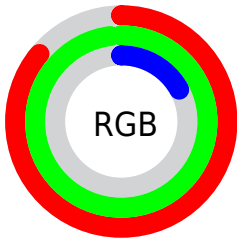
Format	Color
R <sub>Y</sub> B	43, 250, 73
Decimal	14481963
CIE Lab	93.35, -32.76, 85.07
CIE LCh	93, 91.160, 111.064
Yxy	83.7613, 0.3935, 0.5140
Android (android.graphics.Color)	4292672043 (0xFFDCFA2B)
YUV	217.4320, -85.9950, 2.2521
Hunter-Lab	91.5212, -35.0716, 54.3003

# Details

The XYZ color **64.1369, 83.7613, 15.0727** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **20.8697, 10.0483, 91.2871**, and the grayscale version is **66.8017, 70.2806, 76.5355**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **33.7890, 46.0572, 7.1091** is the 20% darker color. If you saturate the color by 10%, you get **62.7267, 83.0749, 13.3018**, and if you desaturate by 10%, it is **65.8552, 84.5798, 18.3254**.

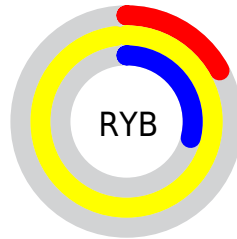
# Distribution



Red (86%)

Green (98%)

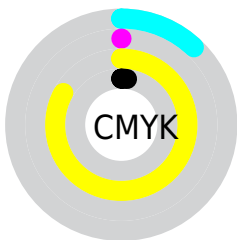
Blue (17%)



Red (17%)

Yellow (98%)

Blue (29%)

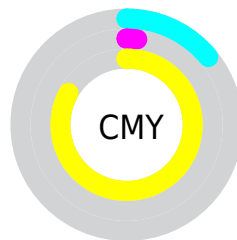


Cyan (12%)

Magenta (0%)

Yellow (83%)

Black (2%)



Cyan (14%)

Magenta (2%)


Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1369, 83.7613, 15.0727 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 64.1369, 83.7613, 15.0727 by changing the saturation by 10% instead.




 64.1369, 83.7613,  
15.0727


 64.1369, 83.7613,  
15.0727

429.2782,  
507.5202, 235.4617


 47.0237, 62.8184,  
8.7232


 109.8807,  
138.6412, 35.7248


 33.2624, 45.6943,  
4.4668


 139.2420,  
173.3470, 50.8645


 22.4877, 32.0047,  
1.8847


 173.4166,  
213.4092, 69.7713

 14.3343, 21.3651,  
0.4830

 212.7700,  
259.2122, 92.8638

 8.4368, 13.3911,  
0.0000

 257.6676,  
311.1404, 120.5606

 4.4298, 7.6984,  
0.0000

308.4745,

 1.9481, 3.9026,

369.5783, 153.2802

0.0000

365.5563,  
434.9101, 191.4410

■ 0.6045, 1.6192,  
0.0000

■ 0.0000, 0.3705,  
0.0000

■ 64.1369, 83.7613,  
15.0727

■ 64.1369, 83.7613,  
15.0727

■ 62.7267, 83.0749,  
13.3018


■ 65.8552, 84.5798,  
18.3254


■ 61.8503, 82.6358,  
12.6904


■ 67.9207, 85.5368,  
23.2894

■ 70.3721, 86.6510,  
30.1601


■ 73.2414, 87.9352,  
39.1052

 76.5571, 89.4008,  
50.2742

 80.3452, 91.0581,  
63.8025

 84.6295, 92.9167,  
79.8150

 89.4321, 94.9856,  
98.4278

 92.6063, 96.4059,  
108.3351

# Harmonies

## Analogous

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



87.0054, 83.7613, 12.9971



64.1369, 83.7613, 15.0727



48.8149, 83.7613, 30.7656

# Triad

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



64.1369, 83.7613, 15.0727



53.9676, 83.7613, 237.6684



134.5209, 83.7613, 113.3326

# Complementary

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



64.1369, 83.7613, 15.0727



20.8697, 10.0483, 91.2871

# 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.



121.2223, 83.7613, 202.1676



64.1369, 83.7613, 15.0727



72.6509, 83.7613, 294.2608

# Square

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



64.1369, 83.7613, 15.0727



43.8173, 83.7613, 147.4945



97.3967, 83.7613, 278.7443



130.9688, 83.7613, 51.4367



# Rectangle

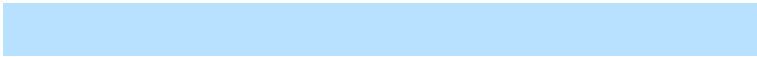
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1369, 83.7613, 15.0727



43.4243, 83.7613, 54.6546



97.3967, 83.7613, 278.7443



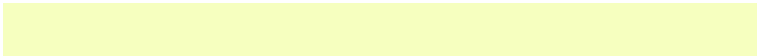
131.7886, 83.7613, 141.2216

# Sweetspot

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



64.1388, 83.7651, 15.0744



83.1129, 94.8418, 63.3604



42.0914, 24.9568, 4.8853



17.4875, 20.1680, 12.4775



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.



64.1388, 83.7651, 15.0744



64.8083, 86.4933, 13.3524



42.2192, 72.4651, 14.0486



18.4656, 20.0558, 18.3603



32.9007, 43.8792, 6.7355



3.1126, 4.0977, 0.6269



# Inverse Universe

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



20.8697, 10.0483, 91.2871



18.9199, 7.7096, 95.0986



35.6003, 17.6422, 91.9765



16.5171, 16.7637, 21.7505



9.6142, 3.8990, 48.2194



0.9588, 0.3963, 4.4691



# Previews

## White Background



This preview shows how the XYZ color 64.1369, 83.7613, 15.0727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

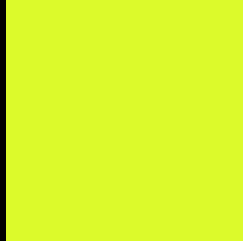
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1369, 83.7613, 15.0727 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 64.1369, 83.7613, 15.0727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1369, 83.7613, 15.0727.



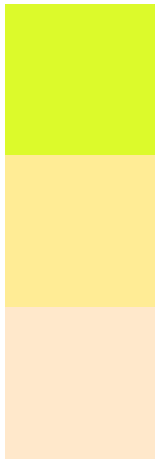
This preview shows how white text looks on a background with the XYZ color 64.1369, 83.7613,



# 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

64.1369, 83.7613, 15.0727

### Protanopia

76.6603, 83.4208, 40.4952

### Deuteranopia

80.8761, 83.2850, 68.3129



## Tritanopia

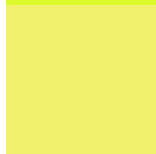
82.1481, 83.5936, 103.0723

# Trichromacy



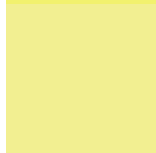
## Original Color

64.1369, 83.7613, 15.0727



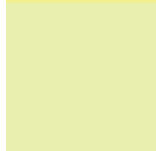
## Protanomaly

70.8877, 82.9136, 27.0196



## Deuteranomaly

72.5953, 82.6546, 38.9158



## Tritanomaly

71.8831, 81.9840, 52.5933

# Monochromacy



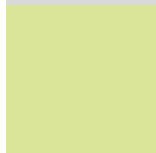
## Original Color

64.1369, 83.7613, 15.0727



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

62.7655, 73.2771, 41.4077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1369, 83.7613, 15.0727 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, 250, 43)` looks like.

```
.text, #text, p{  
    color:rgb(220, 250, 43)  
}
```

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, 250, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 250, 43) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1369, 83.7613, 15.0727 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, 250, 43) }
```



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

```
.border{ border-color:rgb(220, 250, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 250, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 250, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 250, 43);  
box-shadow:4px 4px 4px 4px rgb(220, 250,  
43) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1369, 83.7613, 15.0727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 250, 43) }
```

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

```
.background{ background-color: rgb(220,  
250, 43) }
```

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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