

# Converting Colors

XYZ(64.2809, 82.6972, 24.8881)

Have a look what the booklet for  
XYZ(64.2809, 82.6972, 24.8881)  
contains.

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# Color

**XYZ(64.2353, 82.6733,  
24.8839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F865
RGB	216, 248, 101
RGB Percent	85%, 97%, 40%
CMY	0.1529, 0.0274, 0.6039
CMYK	0.13, 0.00, 0.59, 0.03
HSL	73°, 91%, 68%
HSV	73°, 59%, 97%
XYZ	64.2353, 82.6733, 24.8839
YIQ	221.6740, 28.1150, -52.5010

# Conversions

## Conversions Part 2

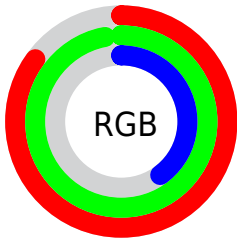
Format	Color
<a href="#">RYB</a>	<a href="#">101, 248, 133</a>
Decimal	<a href="#">14219365</a>
CIELab	<a href="#">92.87, -30.49, 65.43</a>
CIELCh	<a href="#">93, 72.186, 114.986</a>
Yxy	<a href="#">82.6733, 0.3739, 0.4812</a>
Android (android.graphics.Color)	<a href="#">4292409445 (0xFFD8F865)</a>
YUV	<a href="#">221.6740, -59.4923, -4.9761</a>
Hunter-Lab	<a href="#">90.9249, -33.0144, 47.4212</a>

# Details

The XYZ color **64.2353, 82.6733, 24.8839** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.2728, 21.0733, 91.2311**, and the grayscale version is **69.5956, 73.2199, 79.7365**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **33.3862, 45.1428, 9.2393** is the 20% darker color. If you saturate the color by 10%, you get **61.6304, 81.4530, 19.3484**, and if you desaturate by 10%, it is **67.2632, 84.0747, 32.3556**.

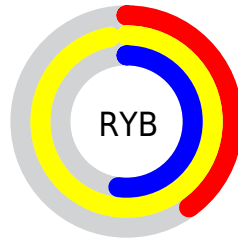
# Distribution



Red (85%)

Green (97%)

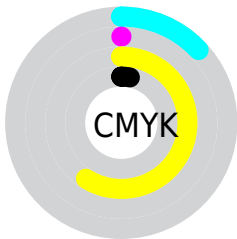
Blue (40%)



Red (40%)

Yellow (97%)

Blue (52%)

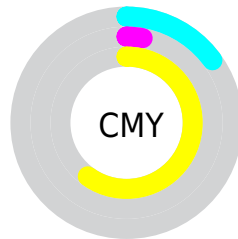


Cyan (13%)

Magenta (0%)

Yellow (59%)

Black (3%)



Cyan (15%)

Magenta (3%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2353, 82.6733, 24.8839 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 64.2353, 82.6733, 24.8839 by changing the saturation by 10% instead.





 64.2353, 82.6733,  
24.8839

 64.2353, 82.6733,  
24.8839


429.6276,  
503.8971, 290.6884


 47.1037, 61.9207,  
15.7723


 110.0216,  
137.1178, 52.4306


 33.3259, 44.9686,  
9.2106


 139.4069,  
171.5785, 71.7028

 22.5367, 31.4327,  
4.7801


 173.6076,  
211.3773, 95.1990

 14.3706, 20.9286,  
2.0624

 212.9889,  
256.8986, 123.3377

 8.4623, 13.0718,  
0.5932

257.9162,  
308.5268, 156.5375

 4.4464, 7.4780,  
0.0000

308.7548,

 1.9577, 3.7628,

366.6464, 195.2168

0.0000

365.8702,  
431.6417, 239.7943

0.6100, 1.5418,  
0.0000

0.0000, 0.3179,  
0.0000

64.2353, 82.6733,  
24.8839

64.2353, 82.6733,  
24.8839

61.6304, 81.4530,  
19.3484

67.2632, 84.0747,  
32.3556

59.4078, 80.3887,  
15.5642


70.7384, 85.6583,  
41.9159


57.5287, 79.4677,  
13.3197


74.6904, 87.4387,  
53.7077


55.9303, 78.6648,  
12.2877


79.1441, 89.4260,  
67.8600

 55.8195, 78.6089,  
12.2310

 84.1225, 91.6295,  
84.4920

 89.6472, 94.0579,  
103.7147

 92.4184, 95.3912,  
108.1491

 92.8592, 95.6185,  
108.1697

# Harmonies

## Analogous

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



81.7908, 82.6733, 21.1341



64.2353, 82.6733, 24.8839



52.4639, 82.6733, 42.6101

# Triad

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



64.2353, 82.6733, 24.8839



59.5543, 82.6733, 204.6750



120.5202, 82.6733, 99.4030

# Complementary

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



64.2353, 82.6733, 24.8839



31.2728, 21.0733, 91.2311

# 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.



112.1763, 82.6733, 163.7215



64.2353, 82.6733, 24.8839



75.4514, 82.6733, 238.1660

# Square

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



64.2353, 82.6733, 24.8839



50.0798, 82.6733, 141.3948



94.9121, 82.6733, 220.7754



116.2430, 82.6733, 52.8906



# Rectangle

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



64.2353, 82.6733, 24.8839



48.5002, 82.6733, 65.7044



94.9121, 82.6733, 220.7754



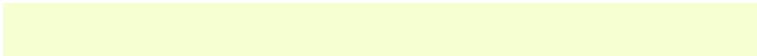
119.0642, 82.6733, 119.6907

# Sweetspot

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



64.2373, 82.6770, 24.8856



84.9394, 95.5420, 74.3512



49.4303, 37.6325, 16.9716



17.8681, 20.3111, 14.8962



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.



64.2373, 82.6770, 24.8856



65.1895, 86.5489, 19.7395



47.1864, 73.8870, 24.0877



18.3359, 19.9889, 18.3542



30.2763, 42.5263, 6.6127



2.8925, 3.9842, 0.6166



# Inverse Universe

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



31.2728, 21.0733, 91.2311



27.3531, 15.6461, 96.1861



47.1507, 29.2586, 91.9741



16.6363, 16.8251, 21.7560



10.0706, 4.1343, 48.2408

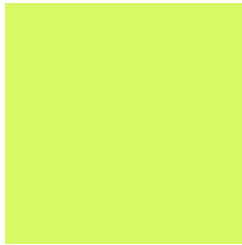


1.0185, 0.4271, 4.4719



# Previews

## White Background



This preview shows how the XYZ color 64.2353, 82.6733, 24.8839 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 64.2353, 82.6733, 24.8839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

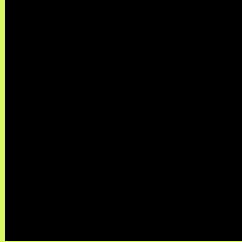
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.2353, 82.6733, 24.8839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2353, 82.6733, 24.8839.



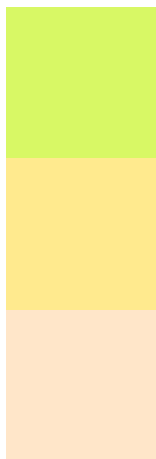
This preview shows how white text looks on a background with the XYZ color 64.2353, 82.6733,



# 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

64.2353, 82.6733, 24.8839

### Protanopia

75.5453, 82.0586, 37.4484

### Deuteranopia

80.0794, 82.0707, 66.8789



## Tritanopia

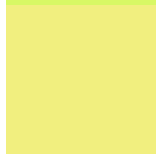
80.1558, 82.5665, 102.9791

# Trichromacy



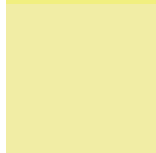
## Original Color

64.2353, 82.6733, 24.8839



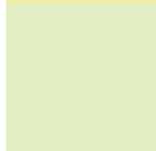
## Protanomaly

70.9729, 81.9661, 32.1590



## Deuteranomaly

73.3513, 81.9858, 47.5561



## Tritanomaly

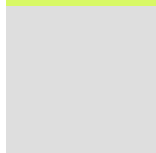
72.2169, 81.4655, 64.1427

# Monochromacy



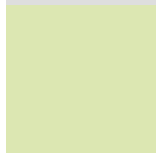
## Original Color

64.2353, 82.6733, 24.8839



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.1270, 75.5818, 53.2230

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2353, 82.6733, 24.8839 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(216, 248, 101)` looks like.

```
.text, #text, p{  
    color:rgb(216, 248, 101)  
}
```

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(216, 248, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 248, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2353, 82.6733, 24.8839 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(216, 248, 101) }
```



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

```
.border{ border-color:rgb(216, 248, 101) }
```

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

Here you see how a box with a 4 pixel rgb(216, 248, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 248, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 248, 101);  
box-shadow:4px 4px 4px 4px rgb(216, 248,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2353, 82.6733, 24.8839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 248, 101) }
```

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

```
.background{ background-color: rgb(216,  
248, 101) }
```

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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