

# Converting Colors

XYZ(64.4522, 81.8034, 24.0718)

Have a look what the booklet for  
XYZ(64.4522, 81.8034, 24.0718)  
contains.

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# Color

**XYZ(64.4213, 81.8725,  
24.2120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF663
RGB	219, 246, 99
RGB Percent	86%, 96%, 39%
CMY	0.1412, 0.0353, 0.6117
CMYK	0.11, 0.00, 0.60, 0.04
HSL	71°, 89%, 68%
HSV	71°, 60%, 96%
XYZ	64.4213, 81.8725, 24.2120
YIQ	221.1690, 31.0950, -51.4410

# Conversions

## Conversions Part 2

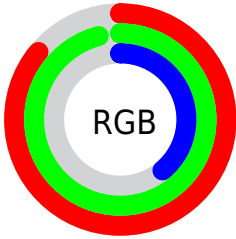
Format	Color
<a href="#">RYB</a>	<a href="#">99, 246, 126</a>
Decimal	<a href="#">14415459</a>
CIELab	<a href="#">92.52, -28.55, 65.93</a>
CIELCh	<a href="#">93, 71.848, 113.412</a>
Yxy	<a href="#">81.8725, 0.3778, 0.4802</a>
Android (android.graphics.Color)	<a href="#">4292605539 (0xFFDBF663)</a>
YUV	<a href="#">221.1690, -60.2293, -1.9022</a>
Hunter-Lab	<a href="#">90.4834, -31.2597, 47.4733</a>

# Details

The XYZ color **64.4213, 81.8725, 24.2120** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.7036, 20.0152, 89.4915**, and the grayscale version is **69.2426, 72.8486, 79.3322**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **33.4944, 44.5572, 8.8425** is the 20% darker color. If you saturate the color by 10%, you get **62.0792, 80.7836, 18.8710**, and if you desaturate by 10%, it is **67.1624, 83.1311, 31.4442**.

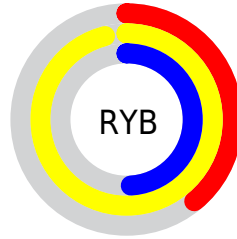
# Distribution



Red (86%)

Green (96%)

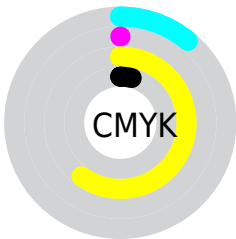
Blue (39%)



Red (39%)

Yellow (96%)

Blue (49%)

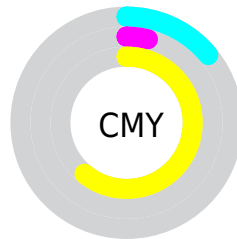


Cyan (11%)

Magenta (0%)

Yellow (60%)

Black (4%)



Cyan (14%)

Magenta (4%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4213, 81.8725, 24.2120 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 64.4213, 81.8725, 24.2120 by changing the saturation by 10% instead.





 64.4213, 81.8725,  
24.2120

 64.4213, 81.8725,  
24.2120


430.2876,  
501.2211, 287.2115

 47.2549, 61.2604,  
15.2773


 110.2878,  
135.9952, 51.3241


 33.4460, 44.4354,  
8.8655


 139.7187,  
170.2746, 70.3386

 22.6292, 31.0129,  
4.5579

 173.9684,  
209.8786, 93.5501

 14.4392, 20.6087,  
1.9361

 213.4023,  
255.1916, 121.3771

 8.5105, 12.8383,  
0.5156

258.3859,  
306.5979, 154.2382

 4.4778, 7.3173,  
0.0000

309.2844,

 1.9758, 3.6613,

364.4820, 192.5520

0.0000

366.4632,  
429.2283, 236.7369

0.6203, 1.4860,  
0.0000

0.0000, 0.2788,  
0.0000

64.4213, 81.8725,  
24.2120

64.4213, 81.8725,  
24.2120

62.0792, 80.7836,  
18.8710

67.1624, 83.1311,  
31.4442

60.0962, 79.8397,  
15.2386


70.3264, 84.5602,  
40.7176


58.4339, 79.0283,  
13.1054

73.9419, 86.1743,  
52.1731


57.0272, 78.3232,  
12.1295


78.0334, 87.9831,  
65.9377

 56.9941, 78.3066,  
12.1108

 82.6233, 89.9957,  
82.1287

 87.7327, 92.2205,  
100.8553

 90.6604, 93.5770,  
107.8916

 92.2476, 94.3953,  
107.9659

# Harmonies

## Analogous

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



82.0046, 81.8725, 21.0949



64.4213, 81.8725, 24.2120



52.4300, 81.8725, 40.8736

# Triad

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



64.4213, 81.8725, 24.2120



58.3404, 81.8725, 199.6430



119.1515, 81.8725, 101.4552

# Complementary

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



64.4213, 81.8725, 24.2120



29.7036, 20.0152, 89.4915

# 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.



110.3069, 81.8725, 165.4398



64.4213, 81.8725, 24.2120



73.7751, 81.8725, 235.0304

# Square

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



64.4213, 81.8725, 24.2120



49.3310, 81.8725, 136.4929



92.9526, 81.8725, 220.4996



115.5806, 81.8725, 54.2495



# Rectangle

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



64.4213, 81.8725, 24.2120



48.2617, 81.8725, 62.9225



92.9526, 81.8725, 220.4996



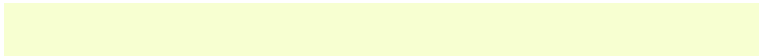
117.4912, 81.8725, 121.7967

# Sweetspot

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



64.4232, 81.8762, 24.2137



85.4864, 95.8240, 74.3768



47.7156, 35.4050, 16.1245



18.0031, 20.3806, 14.9025



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.



64.4232, 81.8762, 24.2137



66.8111, 87.3946, 19.3763



46.9851, 72.8865, 23.3976



17.5987, 19.1507, 17.5665



30.5303, 41.8517, 6.4691



2.7591, 3.7174, 0.5721



# Inverse Universe

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



29.7036, 20.0152, 89.4915



26.1698, 14.7887, 96.0829



44.7720, 27.7833, 90.1967



15.8651, 16.0731, 20.8088



9.5452, 3.8950, 46.7868

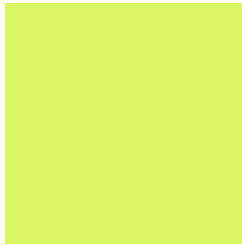


0.9154, 0.3818, 4.1157



# Previews

## White Background



This preview shows how the XYZ color 64.4213, 81.8725, 24.2120 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 64.4213, 81.8725, 24.2120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

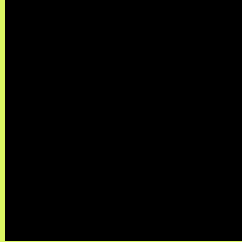
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.4213, 81.8725, 24.2120

## Background



This preview shows how black text looks on a background with the XYZ color 64.4213, 81.8725, 24.2120.



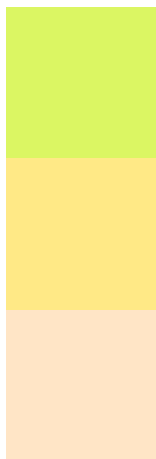
This preview shows how white text looks on a background with the XYZ color 64.4213, 81.8725,



# 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

64.4213, 81.8725, 24.2120

### Protanopia

74.6820, 81.2591, 34.3027

### Deuteranopia

79.4524, 81.3758, 64.9456



## Tritanopia

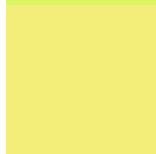
79.9357, 81.6535, 101.1702

# Trichromacy



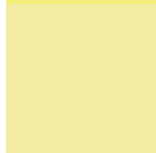
## Original Color

64.4213, 81.8725, 24.2120



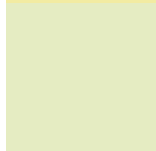
## Protanomaly

70.6437, 81.4068, 30.0789



## Deuteranomaly

72.8479, 80.9025, 45.9587



## Tritanomaly

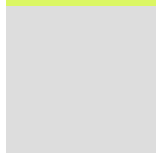
72.0462, 80.5440, 62.7882

# Monochromacy



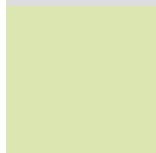
## Original Color

64.4213, 81.8725, 24.2120



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.7478, 74.9836, 52.6030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4213, 81.8725, 24.2120 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(219, 246, 99)` looks like.

```
.text, #text, p{  
    color:rgb(219, 246, 99)  
}
```

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(219, 246, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 246, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4213, 81.8725, 24.2120 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(219, 246, 99) }
```



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

```
.border{ border-color:rgb(219, 246, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 246, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 246, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 246, 99);  
box-shadow:4px 4px 4px 4px rgb(219, 246,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4213, 81.8725, 24.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 246, 99) }
```

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

```
.background{ background-color: rgb(219,  
246, 99) }
```

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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