

# Converting Colors

XYZ(64.2453, 85.9480, 24.8525)

Have a look what the booklet for  
XYZ(64.2453, 85.9480, 24.8525)  
contains.

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# Color

**XYZ(64.2591, 85.9572,  
24.7599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FF62
RGB	209, 255, 98
RGB Percent	82%, 100%, 38%
CMY	0.1804, 0.0000, 0.6157
CMYK	0.18, 0.00, 0.62, 0.00
HSL	78°, 100%, 69%
HSV	78°, 62%, 100%
XYZ	64.2591, 85.9572, 24.7599
YIQ	223.3480, 22.9810, -58.5790

# Conversions

## Conversions Part 2

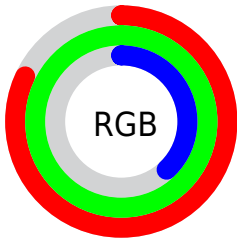
Format	Color
R <sub>Y</sub> B	98, 255, 144
Decimal	13762402
CIE Lab	94.29, -36.57, 68.09
CIE LCh	94, 77.287, 118.240
Yxy	85.9572, 0.3672, 0.4913
Android (android.graphics.Color)	4291952482 (0xFFD1FF62)
YUV	223.3480, -61.7966, -12.5832
Hunter-Lab	92.7131, -38.5303, 49.0652

# Details

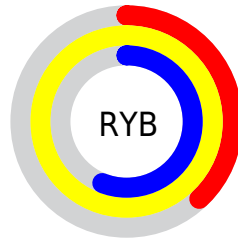
The XYZ color **64.2591, 85.9572, 24.7599** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.9207, 21.8861, 97.0444**, and the grayscale version is **70.8010, 74.4881, 81.1176**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **33.3064, 47.1074, 9.1709** is the 20% darker color. If you saturate the color by 10%, you get **61.1758, 84.4853, 19.3006**, and if you desaturate by 10%, it is **67.8252, 87.6335, 32.2453**.

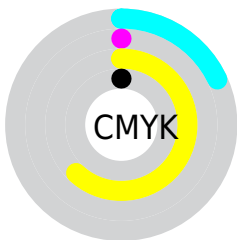
# Distribution



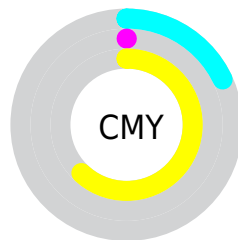
- Red (82%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (56%)



- Cyan (18%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2591, 85.9572, 24.7599 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 64.2591, 85.9572, 24.7599 by changing the saturation by 10% instead.





 64.2591, 85.9572,  
24.7599

 64.2591, 85.9572,  
24.7599


429.7121,  
514.7901, 290.0494


 47.1230, 64.6326,  
15.6809


 110.0556,  
141.7098, 52.2267


 33.3413, 47.1632,  
9.1467


 139.4468,  
176.9065, 71.4516

 22.5485, 33.1647,  
4.7389

 173.6538,  
217.4961, 94.8955

 14.3793, 22.2526,  
2.0388

 213.0418,  
263.8628, 122.9770

 8.4684, 14.0427,  
0.5790

257.9763,  
316.3912, 156.1146

 4.4504, 8.1503,  
0.0000

308.8226,

 1.9600, 4.1913,

375.4656, 194.7268

0.0000

365.9461,  
441.4705, 239.2322

0.6113, 1.7811,  
0.0000

0.0000, 0.4754,  
0.0000

64.2591, 85.9572,  
24.7599

64.2591, 85.9572,  
24.7599

61.1758, 84.4853,  
19.3006

67.8252, 87.6335,  
32.2453

58.5358, 83.2020,  
15.6643


71.9080, 89.5282,  
41.9266


56.2921, 82.0885,  
13.6120

76.5383, 91.6537,  
53.9599

54.6485, 81.2574,  
12.8040

81.7441, 94.0213,  
68.4862

 87.5513, 96.6414,  
85.6351

 93.9840, 99.5240,  
105.5275

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



82.9295, 85.9572, 19.5926



64.2591, 85.9572, 24.7599



52.2877, 85.9572, 45.4604

# Triad

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



64.2591, 85.9572, 24.7599



62.4700, 85.9572, 228.0124



128.3488, 85.9572, 97.1412

# Complementary

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



64.2591, 85.9572, 24.7599



33.9207, 21.8861, 97.0444

# 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.



120.4778, 85.9572, 167.4243



64.2591, 85.9572, 24.7599



80.4822, 85.9572, 260.2639

# Square

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



64.2591, 85.9572, 24.7599



51.3842, 85.9572, 158.6379



102.0409, 85.9572, 234.4165



122.0701, 85.9572, 49.3152



# Rectangle

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



64.2591, 85.9572, 24.7599



48.5696, 85.9572, 72.2083



102.0409, 85.9572, 234.4165



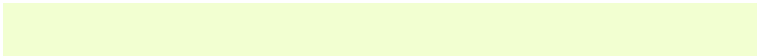
127.2471, 85.9572, 118.8303

# Sweetspot

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



64.2592, 85.9572, 24.7611



83.7450, 94.9263, 74.2953



53.1904, 41.6331, 16.7891



17.5742, 20.1596, 14.8824



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.



64.2592, 85.9572, 24.7611



60.4942, 84.1563, 18.2562



47.4838, 77.3091, 23.9760



19.0124, 20.8078, 19.1586



28.7113, 42.5393, 6.6977



2.9046, 4.1982, 0.6572



# Inverse Universe

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



33.9207, 21.8861, 97.0444



27.9839, 15.2593, 96.0782



52.2322, 31.3260, 97.9013



17.5031, 17.6356, 22.7314



11.0645, 4.6144, 49.7421

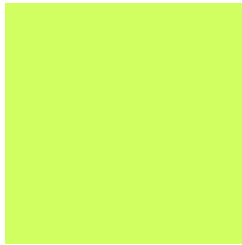


1.1807, 0.5026, 4.8480



# Previews

## White Background



This preview shows how the XYZ color 64.2591, 85.9572, 24.7599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

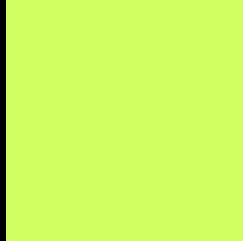
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2591, 85.9572, 24.7599 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

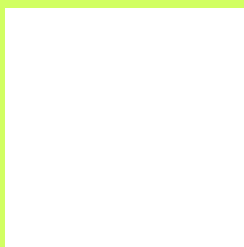
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2591, 85.9572, 24.7599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2591, 85.9572, 24.7599.



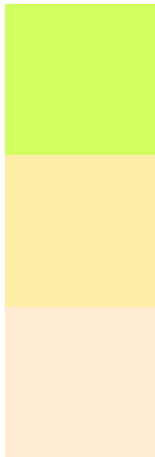
This preview shows how white text looks on a background with the XYZ color 64.2591, 85.9572,



# 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

64.2591, 85.9572, 24.7599

### Protanopia

78.8824, 85.2362, 49.3405

### Deuteranopia

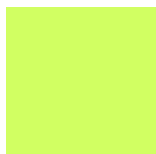
82.8320, 85.4301, 74.4113



## Tritanopia

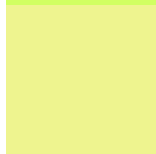
81.2296, 85.6110, 106.8511

# Trichromacy



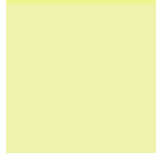
## Original Color

64.2591, 85.9572, 24.7599



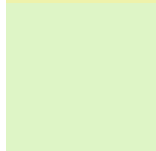
## Protanomaly

72.5685, 84.8617, 38.5418



## Deuteranomaly

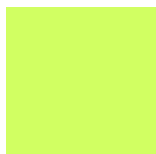
74.3627, 84.6217, 50.9424



## Tritanomaly

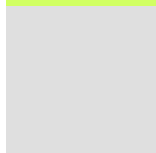
72.9697, 84.9116, 65.9698

# Monochromacy



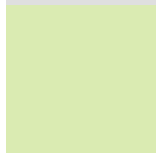
## Original Color

64.2591, 85.9572, 24.7599



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.6577, 77.5364, 53.5723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2591, 85.9572, 24.7599 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(209, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 98)  
}
```

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(209, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2591, 85.9572, 24.7599 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(209, 255, 98) }
```



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

```
.border{ border-color:rgb(209, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2591, 85.9572, 24.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 98) }
```

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

```
.background{ background-color: rgb(209,  
255, 98) }
```

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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