

Converting Colors

XYZ(86.7541, 131.2312,
31.5074)

Have a look what the booklet for
XYZ(86.7541, 131.2312, 31.5074)
contains.

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Color

**XYZ(64.1201, 85.9015,
24.0276)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FF5F
RGB	209, 255, 95
RGB Percent	82%, 100%, 37%
CMY	0.1804, 0.0000, 0.6274
CMYK	0.18, 0.00, 0.63, 0.00
HSL	77°, 100%, 69%
HSV	77°, 63%, 100%
XYZ	64.1201, 85.9015, 24.0276
YIQ	223.0060, 23.9440, -59.5120

Conversions

Conversions Part 2

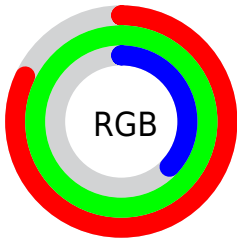
Format	Color
RYB	95, 255, 141
Decimal	13762399
CIELab	94.27, -36.78, 69.26
CIELCh	94, 78.423, 117.972
Yxy	85.9015, 0.3684, 0.4935
Android (android.graphics.Color)	4291952479 (0xFFD1FF5F)
YUV	223.0060, -63.1070, -12.2833
Hunter-Lab	92.6831, -38.7053, 49.5075

Details

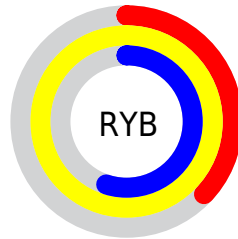
The XYZ color **64.1201, 85.9015, 24.0276** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **33.1280, 21.0684, 96.9283**, and the grayscale version is **70.5656, 74.2405, 80.8479**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **33.2311, 47.0773, 8.7742** is the 20% darker color. If you saturate the color by 10%, you get **61.1174, 84.4663, 18.7951**, and if you desaturate by 10%, it is **67.5978, 87.5378, 31.2641**.

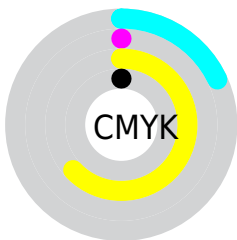
Distribution



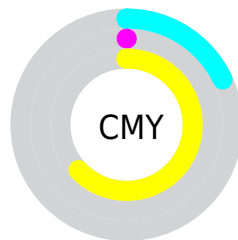
- Red (82%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (55%)



- Cyan (18%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1201, 85.9015, 24.0276 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 64.1201, 85.9015, 24.0276 by changing the saturation by 10% instead.


 64.1201, 85.9015,
24.0276


 64.1201, 85.9015,
24.0276


429.2186,
514.6064, 286.2510

 47.0100, 64.5865,
15.1417


 109.8566,
141.6320, 51.0196


 33.2515, 47.1259,
8.7712


 139.2138,
176.8164, 69.9629

 22.4794, 33.1352,
4.4975


 173.3840,
217.3926, 93.0956

 14.3281, 22.2300,
1.9020

 212.7327,
263.7452, 120.8364

 8.4325, 14.0260,
0.4940

257.6251,
316.2584, 153.6038

 4.4270, 8.1388,
0.0000

308.4266,

 1.9464, 4.1839,

375.3168, 191.8163

0.0000

365.5027,
441.3046, 235.8926

■ 0.6036, 1.7769,
0.0000

■ 0.0000, 0.4727,
0.0000

■ 64.1201, 85.9015,
24.0276

■ 64.1201, 85.9015,
24.0276

■ 61.1174, 84.4663,
18.7951

■ 67.5978, 87.5378,
31.2641

■ 58.5494, 83.2159,
15.3597

■ 71.5848, 89.3890,
40.6770

■ 56.3682, 82.1308,
13.4761

■ 76.1121, 91.4676,
52.4243

■ 54.9771, 81.4268,
12.8193

■ 81.2080, 93.7850,
66.6484

86.8985, 96.3520,
83.4803

93.2080, 99.1782,
103.0416

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.



83.0855, 85.9015, 18.9922



64.1201, 85.9015, 24.0276



51.9533, 85.9015, 44.5980

Triad

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



64.1201, 85.9015, 24.0276



62.0344, 85.9015, 229.9734



129.0617, 85.9015, 97.6885

Complementary

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



64.1201, 85.9015, 24.0276



33.1280, 21.0684, 96.9283

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.



120.9258, 85.9015, 169.3224



64.1201, 85.9015, 24.0276



80.2248, 85.9015, 263.4389

Square

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



64.1201, 85.9015, 24.0276



50.9023, 85.9015, 159.0010



102.1075, 85.9015, 237.5165



122.7937, 85.9015, 49.0700

Rectangle

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



64.1201, 85.9015, 24.0276



48.1553, 85.9015, 71.4260



102.1075, 85.9015, 237.5165



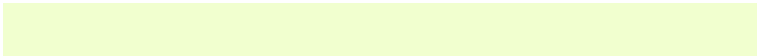
127.8956, 85.9015, 119.7850

Sweetspot

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



64.1203, 85.9016, 24.0288



83.2671, 94.7161, 72.6368



52.7332, 40.9411, 15.9507



17.4842, 20.1202, 14.5607



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.



64.1203, 85.9016, 24.0288



60.5014, 84.1686, 17.8707



46.9812, 77.0661, 23.2267



19.0225, 20.8130, 19.1591



28.8816, 42.6271, 6.7056



2.9201, 4.2062, 0.6580

Inverse Universe

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



33.1280, 21.0684, 96.9283



27.4409, 14.7619, 96.0108



51.7592, 30.6732, 97.8002



17.4935, 17.6306, 22.7310



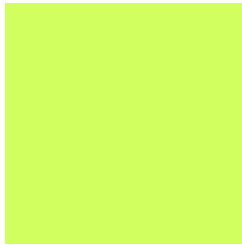
11.0063, 4.5844, 49.7394



1.1740, 0.4991, 4.8477

Previews

White Background



This preview shows how the XYZ color 64.1201, 85.9015, 24.0276 looks on a white background.

Color Contrast Check

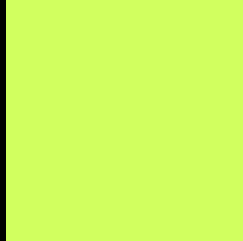
Large Text (above 18pt) WCAG AA × Fail

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 64.1201, 85.9015, 24.0276 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 64.1201, 85.9015, 24.0276

Background



This preview shows how black text looks on a background with the XYZ color 64.1201, 85.9015, 24.0276.

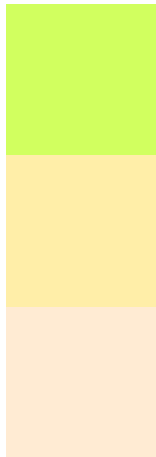


This preview shows how white text looks on a background with the XYZ color 64.1201, 85.9015,

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

64.1201, 85.9015, 24.0276

Protanopia

78.8824, 85.2362, 49.3405

Deuteranopia

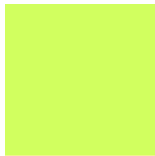
82.7062, 85.3798, 73.7489



Tritanopia

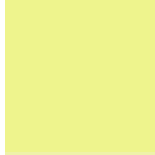
81.2296, 85.6110, 106.8511

Trichromacy



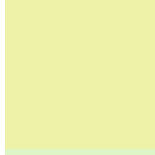
Original Color

64.1201, 85.9015, 24.0276



Protanomaly

72.4183, 84.8016, 37.7508



Deuteranomaly

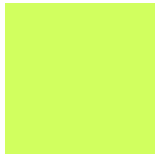
74.1735, 84.5460, 49.9458



Tritanomaly

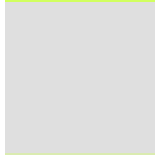
72.8547, 84.8656, 65.3642

Monochromacy



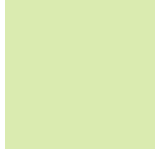
Original Color

64.1201, 85.9015, 24.0276



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.4582, 77.4567, 52.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1201, 85.9015, 24.0276 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 64.1201, 85.9015, 24.0276 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, 95) }
```


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

```
.border{ border-color:rgb(209, 255, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1201, 85.9015, 24.0276 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, 95) }
```

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

```
.background{ background-color: rgb(209,  
255, 95) }
```

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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