

Converting Colors

XYZ(65.1842, 86.4454, 24.2922)

Have a look what the booklet for
XYZ(65.1842, 86.4454, 24.2922)
contains.

XYZ(65.3119, 86.5107, 24.3223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.3119, 86.5107,
24.3223)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF60
RGB	213, 255, 96
RGB Percent	84%, 100%, 38%
CMY	0.1647, 0.0000, 0.6235
CMYK	0.16, 0.00, 0.62, 0.00
HSL	76°, 100%, 69%
HSV	76°, 62%, 100%
XYZ	65.3119, 86.5107, 24.3223
YIQ	224.3160, 26.0070, -58.3530

Conversions

Conversions Part 2

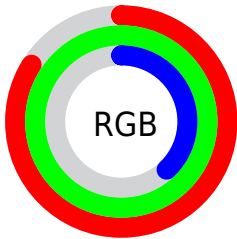
Format	Color
R_{YB}	96, 255, 138
Decimal	14024544
CIE _{Lab}	94.53, -35.20, 69.22
CIE _{LCh}	95, 77.656, 116.958
Yxy	86.5107, 0.3708, 0.4911
Android (android.graphics.Color)	4292214624 (0xFFD5FF60)
YUV	224.3160, -63.2598, -9.9241
Hunter-Lab	93.0111, -37.4278, 49.6035

Details

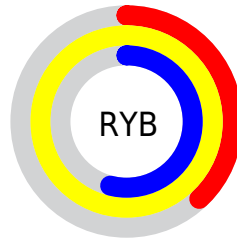
The XYZ color **65.3119, 86.5107, 24.3223** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **32.7155, 20.9904, 96.9350**, and the grayscale version is **71.5028, 75.2265, 81.9217**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **34.0004, 47.4722, 8.8844** is the 20% darker color. If you saturate the color by 10%, you get **62.4083, 85.1281, 19.0204**, and if you desaturate by 10%, it is **68.6775, 88.0873, 31.6348**.

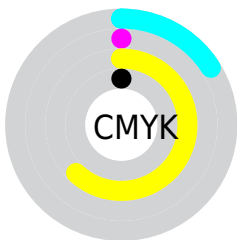
Distribution



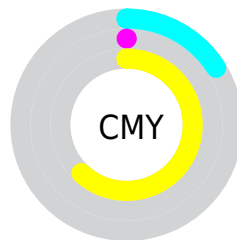
- Red (84%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (54%)



- Cyan (16%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3119, 86.5107, 24.3223 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 65.3119, 86.5107, 24.3223 by changing the saturation by 10% instead.

65.3119, 86.5107,
24.3223

65.3119, 86.5107,
24.3223

433.4395,
516.6137, 287.7848

47.9797, 65.0904,
15.3585

111.5614,
142.4819, 51.5060

34.0220, 47.5344,
8.9219

141.2093,
177.8016, 70.5630

23.0734, 33.4583,
4.5942

175.6932,
218.5232, 93.8215

14.7687, 22.4777,
1.9567

215.3784,
265.0311, 121.7000

8.7425, 14.2084,
0.5284

260.6303,
317.7097, 154.6170

4.6294, 8.2657,
0.0000

311.8142,

2.0640, 4.2654,

376.9434, 192.9911

0.0000

369.2955,
443.1166, 237.2408

0.6695, 1.8231,
0.0000

0.0000, 0.5015,
0.0000

65.3119, 86.5107,
24.3223

65.3119, 86.5107,
24.3223

62.4083, 85.1281,
19.0204

68.6775, 88.0873,
31.6348

59.9271, 83.9239,
15.5236

72.5391, 89.8719,
41.1296

57.8210, 82.8788,
13.5887

76.9272, 91.8767,
52.9640

56.4101, 82.1655,
12.8864

81.8698, 94.1129,
67.2798

87.3926, 96.5911,
84.2075

93.5194, 99.3208,
103.8685

95.0500, 100.0000,
108.9000

Harmonies

Analogous

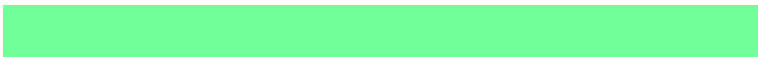
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3782, 86.5107, 19.6503



65.3119, 86.5107, 24.3223



52.9163, 86.5107, 44.3253

Triad

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



65.3119, 86.5107, 24.3223



62.1929, 86.5107, 227.4521



129.2670, 86.5107, 100.4398

Complementary

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



65.3119, 86.5107, 24.3223



32.7155, 20.9904, 96.9350

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.



120.7460, 86.5107, 171.9671



65.3119, 86.5107, 24.3223



80.1103, 86.5107, 262.3245

Square

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



65.3119, 86.5107, 24.3223



51.3416, 86.5107, 156.6353



101.8335, 86.5107, 238.6298



123.5239, 86.5107, 51.0425

Rectangle

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



65.3119, 86.5107, 24.3223



48.9459, 86.5107, 70.5256



101.8335, 86.5107, 238.6298



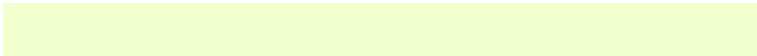
127.9459, 86.5107, 122.6447

Sweetspot

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



65.3120, 86.5107, 24.3235



83.6546, 94.9159, 72.6550



52.1211, 39.6437, 15.9725



17.5786, 20.1688, 14.5651



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.



65.3120, 86.5107, 24.3235



61.7116, 84.7925, 17.9273



47.9850, 77.5783, 23.5126



19.0655, 20.8352, 19.1611



29.6238, 43.0097, 6.7404



2.9875, 4.2409, 0.6611

Inverse Universe

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



32.7155, 20.9904, 96.9350



26.8441, 14.4543, 95.9829



50.3315, 30.0718, 97.7594



17.4530, 17.6097, 22.7291



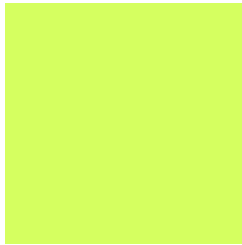
10.7727, 4.4640, 49.7284



1.1466, 0.4850, 4.8465

Previews

White Background



This preview shows how the XYZ color 65.3119, 86.5107, 24.3223 looks on a white background.

Color Contrast Check

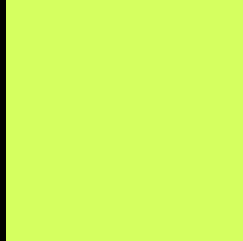
Large Text (above 18pt) WCAG AA × Fail

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 65.3119, 86.5107, 24.3223 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 65.3119, 86.5107, 24.3223

Background



This preview shows how black text looks on a background with the XYZ color 65.3119, 86.5107, 24.3223.

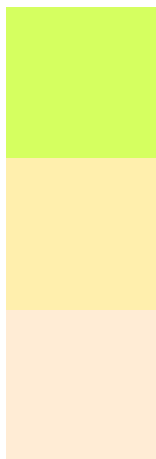


This preview shows how white text looks on a background with the XYZ color 65.3119, 86.5107,

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

65.3119, 86.5107, 24.3223

Protanopia

79.6493, 86.0101, 51.9388

Deuteranopia

83.2457, 86.0550, 75.1735



Tritanopia

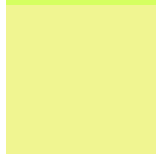
82.5208, 86.2766, 106.9115

Trichromacy



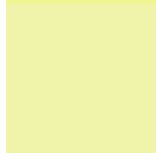
Original Color

65.3119, 86.5107, 24.3223



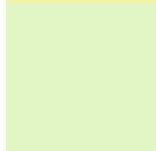
Protanomaly

73.6984, 85.8744, 39.4792



Deuteranomaly

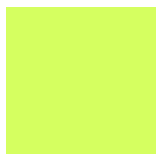
75.2415, 85.5287, 50.5733



Tritanomaly

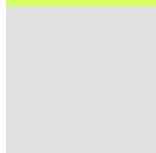
74.0945, 85.5048, 65.4222

Monochromacy



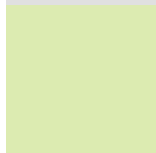
Original Color

65.3119, 86.5107, 24.3223



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1593, 77.8066, 53.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3119, 86.5107, 24.3223 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(213, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 96)  
}
```

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(213, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 96) }
```

Border

The CSS property to change the border of an element to XYZ 65.3119, 86.5107, 24.3223 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(213, 255, 96) }
```


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

```
.border{ border-color:rgb(213, 255, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3119, 86.5107, 24.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 96) }
```

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

```
.background{ background-color: rgb(213,  
255, 96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor