

Converting Colors

XYZ(64.3014, 86.2336, 13.2559)

Have a look what the booklet for
XYZ(64.3014, 86.2336, 13.2559)
contains.

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Color

**XYZ(64.3753, 86.2717,
13.2592)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FF00
RGB	217, 255, 0
RGB Percent	85%, 100%, 0%
CMY	0.1490, 0.0000, 0.9998
CMYK	0.15, 0.00, 1.00, 0.00
HSL	69°, 100%, 50%
HSV	69°, 100%, 100%
XYZ	64.3753, 86.2717, 13.2592
YIQ	214.5680, 59.2070, -87.3610

Conversions

Conversions Part 2

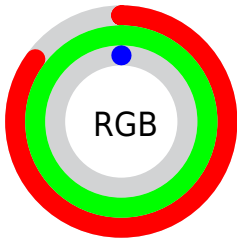
Format	Color
RYB	0, 255, 38
Decimal	14286592
CIELab	94.43, -36.88, 91.26
CIELCh	94, 98.433, 112.007
Yxy	86.2717, 0.3928, 0.5263
Android (android.graphics.Color)	4292476672 (0xFFD9FF00)
YUV	214.5680, -105.7820, 2.1329
Hunter-Lab	92.8826, -38.8292, 56.5540

Details

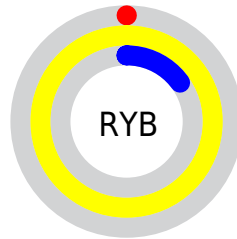
The XYZ color **64.3753, 86.2717, 13.2592** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.8513, 7.6338, 95.0876**, and the grayscale version is **64.9664, 68.3497, 74.4328**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **34.0987, 47.5563, 7.3821** is the 20% darker color. If you saturate the color by 10%, you get **64.3732, 86.2707, 13.2591**, and if you desaturate by 10%, it is **65.6993, 86.9333, 14.2677**.

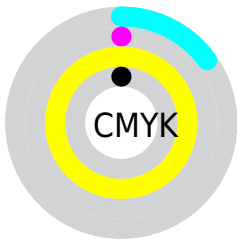
Distribution



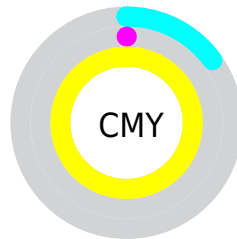
- Red (85%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (15%)



- Cyan (15%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3753, 86.2717, 13.2592 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 64.3753, 86.2717, 13.2592 by changing the saturation by 10% instead.


 64.3753, 86.2717,
13.2592

 64.3753, 86.2717,
13.2592


430.1244,
515.8267, 223.8381

 47.2175, 64.8927,
7.4745


 110.2220,
142.1486, 32.4667


 33.4163, 47.3741,
3.6776


 139.6416,
177.4152, 46.7264


 22.6063, 33.3315,
1.4502


 173.8792,
218.0798, 64.6483

 14.4222, 22.3805,
0.1804

 213.3001,
264.5269, 86.6508

 8.4985, 14.1367,
0.0000

 258.2698,
317.1407, 113.1525

 4.4700, 8.2158,
0.0000

 309.1535,

 1.9713, 4.2334,

376.3056, 144.5720

0.0000

366.3166,
442.4062, 181.3276

■ 0.6178, 1.8049,
0.0000

■ 0.0000, 0.4903,
0.0000

■ 64.3753, 86.2717,
13.2592

■ 64.3753, 86.2717,
13.2592

■ 64.3732, 86.2707,
13.2591

■ 65.6993, 86.9333,
14.2677

■ 67.2854, 87.7028,
16.5188

■ 69.2058, 88.6091,
20.3923

■ 71.5047, 89.6698,
26.1204

■ 74.2191, 90.8998,
33.8978

■ 77.3817, 92.3121,
43.8944

■ 81.0213, 93.9185,
56.2628

■ 85.1647, 95.7294,
71.1417

■ 89.8363, 97.7548,
88.6593

Harmonies

Analogous

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



89.2782, 86.2717, 10.9183



64.3753, 86.2717, 13.2592



48.0864, 86.2717, 29.7651

Triad

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



64.3753, 86.2717, 13.2592



54.5008, 86.2717, 261.8877



143.3972, 86.2717, 115.6865

Complementary

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



64.3753, 86.2717, 13.2592



18.8513, 7.6338, 95.0876

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.



128.9786, 86.2717, 215.1890



64.3753, 86.2717, 13.2592



75.1260, 86.2717, 324.6848

Square

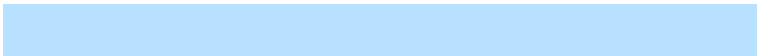
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3753, 86.2717, 13.2592



43.2985, 86.2717, 159.7875



102.5763, 86.2717, 304.1047



138.7849, 86.2717, 49.2352

Rectangle

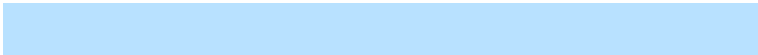
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3753, 86.2717, 13.2592



42.5074, 86.2717, 55.7346



102.5763, 86.2717, 304.1047



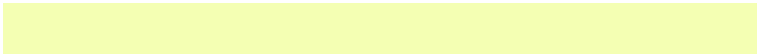
140.5227, 86.2717, 146.5109

Sweetspot

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



64.3753, 86.2717, 13.2604



81.0151, 93.9157, 56.2408



41.8133, 22.4062, 2.1222



16.9993, 19.9517, 10.8582



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.



64.3753, 86.2717, 13.2604



64.3732, 86.2707, 13.2591



40.3279, 73.8748, 12.1350



19.2795, 20.9455, 19.1711



33.7374, 45.1304, 6.9329



3.3540, 4.4298, 0.6783

Inverse Universe

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



18.8513, 7.6338, 95.0876



18.8496, 7.6322, 95.0874



32.8524, 14.8516, 95.7429



17.2549, 17.5076, 22.7198



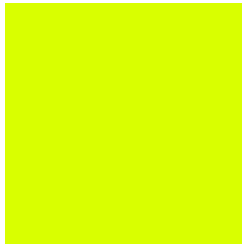
9.9243, 4.0267, 49.6887



1.0373, 0.4286, 4.8413

Previews

White Background



This preview shows how the XYZ color 64.3753, 86.2717, 13.2592 looks on a white background.

Color Contrast Check

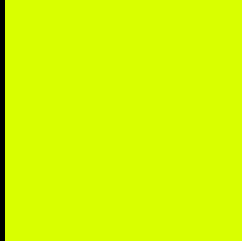
Large Text (above 18pt) WCAG AA × Fail

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 64.3753, 86.2717, 13.2592 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 64.3753, 86.2717, 13.2592

Background



This preview shows how black text looks on a background with the XYZ color 64.3753, 86.2717, 13.2592.

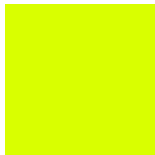


This preview shows how white text looks on a background with the XYZ color 64.3753, 86.2717,

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

64.3753, 86.2717, 13.2592



Protanopia

79.3622, 85.8953, 50.4268



Deuteranopia

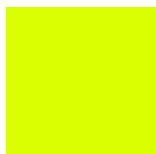
82.9933, 85.9541, 73.8446



Tritanopia

83.2592, 85.7929, 106.7792

Trichromacy



Original Color

64.3753, 86.2717, 13.2592



Protanomaly

71.6348, 85.0883, 26.8355



Deuteranomaly

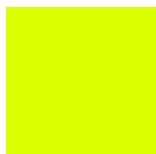
72.6293, 84.5232, 35.0409



Tritanomaly

71.5054, 84.1330, 46.6530

Monochromacy



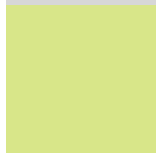
Original Color

64.3753, 86.2717, 13.2592



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1311, 72.9987, 34.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3753, 86.2717, 13.2592 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(217, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 0)  
}
```

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(217, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.3753, 86.2717, 13.2592 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(217, 255, 0) }
```


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

```
.border{ border-color:rgb(217, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3753, 86.2717, 13.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 0) }
```

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

```
.background{ background-color: rgb(217,  
255, 0) }
```

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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