

# Converting Colors

XYZ(64.4819, 86.3058, 14.2084)

Have a look what the booklet for  
XYZ(64.4819, 86.3058, 14.2084)  
contains.

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# Color

**XYZ(64.5617, 86.3463,  
14.2410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FF1A
RGB	217, 255, 26
RGB Percent	85%, 100%, 10%
CMY	0.1490, 0.0000, 0.8980
CMYK	0.15, 0.00, 0.90, 0.00
HSL	70°, 100%, 55%
HSV	70°, 90%, 100%
XYZ	64.5617, 86.3463, 14.2410
YIQ	217.5320, 50.8610, -79.2750

# Conversions

## Conversions Part 2

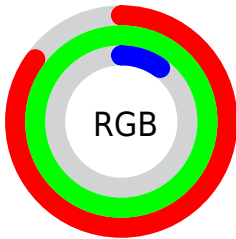
Format	Color
R <sub>Y</sub> B	26, 255, 64
Decimal	14286618
CIE Lab	94.46, -36.60, 88.93
CIE LCh	94, 96.164, 112.370
Yxy	86.3463, 0.3909, 0.5228
Android (android.graphics.Color)	4292476698 (0xFFD9FF1A)
YUV	217.5320, -94.4253, -0.4666
Hunter-Lab	92.9227, -38.5949, 55.9593

# Details

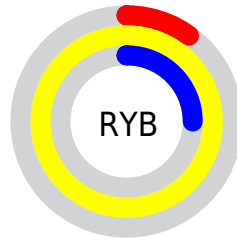
The XYZ color **64.5617, 86.3463, 14.2410** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **20.5355, 9.0503, 95.2723**, and the grayscale version is **66.9240, 70.4092, 76.6757**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **34.0987, 47.5563, 7.3821** is the 20% darker color. If you saturate the color by 10%, you get **63.1359, 85.6325, 13.2160**, and if you desaturate by 10%, it is **66.2582, 87.1721, 16.5260**.

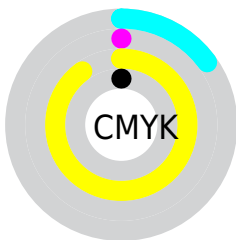
# Distribution



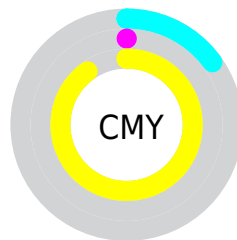
- Red (85%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (25%)



- Cyan (15%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5617, 86.3463, 14.2410 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 64.5617, 86.3463, 14.2410 by changing the saturation by 10% instead.




 64.5617, 86.3463,  
14.2410


 64.5617, 86.3463,  
14.2410


430.7854,  
516.0724, 230.2053


 47.3691, 64.9544,  
8.1478


 110.4887,  
142.2526, 34.2393


 33.5367, 47.4241,  
4.1005


 139.9539,  
177.5358, 48.9815


 22.6991, 33.3710,  
1.6807


 174.2406,  
218.2183, 67.4438

 14.4910, 22.4108,  
0.3474

 213.7143,  
264.6843, 90.0447

 8.5469, 14.1591,  
0.0000

 258.7402,  
317.3183, 117.2027

 4.5016, 8.2314,  
0.0000

309.6838,

 1.9896, 4.2434,

376.5048, 149.3365

0.0000

366.9104,  
442.6280, 186.8645

■ 0.6281, 1.8106,  
0.0000

■ 0.0000, 0.4938,  
0.0000

■ 64.5617, 86.3463,  
14.2410

■ 64.5617, 86.3463,  
14.2410

■ 63.1359, 85.6325,  
13.2160

■ 66.2582, 87.1721,  
16.5260

■ 63.1081, 85.6185,  
13.1999

■ 68.2961, 88.1382,  
20.4375

■ 70.7194, 89.2622,  
26.2078

■ 73.5652, 90.5590,  
34.0311

■ 76.8659, 92.0417,  
44.0769

■ 80.6508, 93.7219,  
56.4974

■ 84.9462, 95.6102,  
71.4313

■ 89.7768, 97.7164,  
89.0065

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.



88.8512, 86.3463, 11.7195



64.5617, 86.3463, 14.2410



48.6506, 86.3463, 31.1147

# Triad

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



64.5617, 86.3463, 14.2410



55.2979, 86.3463, 257.9204



141.8818, 86.3463, 114.2230

# Complementary

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



64.5617, 86.3463, 14.2410



20.5355, 9.0503, 95.2723

# 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.



128.0875, 86.3463, 210.5334



64.5617, 86.3463, 14.2410



75.6421, 86.3463, 317.5992

# Square

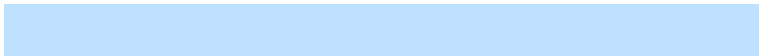
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5617, 86.3463, 14.2410



44.1382, 86.3463, 159.3000



102.4869, 86.3463, 296.7822



137.1788, 86.3463, 49.5642



# Rectangle

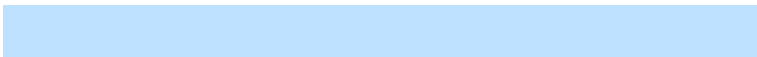
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5617, 86.3463, 14.2410



43.2146, 86.3463, 57.1424



102.4869, 86.3463, 296.7822



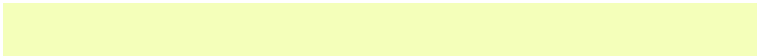
139.1691, 86.3463, 144.0838

# Sweetspot

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



64.5617, 86.3462, 14.2421



81.7994, 94.2285, 60.4147



43.0618, 24.6049, 3.4580



17.2094, 20.0368, 11.9132



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.



64.5617, 86.3462, 14.2421



63.1081, 85.6185, 13.1999



41.9099, 74.6688, 13.1821



19.2479, 20.9292, 19.1696



33.0850, 44.7940, 6.9023



3.2965, 4.4002, 0.6756



# Inverse Universe

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



20.5355, 9.0503, 95.2723



19.0179, 7.7190, 95.0953



36.0669, 17.0570, 95.9991



17.2838, 17.5225, 22.7212



10.0191, 4.0755, 49.6932

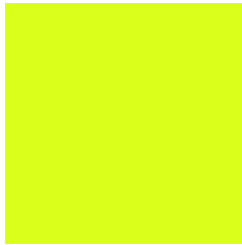


1.0508, 0.4356, 4.8420



# Previews

## White Background



This preview shows how the XYZ color 64.5617, 86.3463, 14.2410 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 64.5617, 86.3463, 14.2410 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 64.5617, 86.3463, 14.2410

## Background



This preview shows how black text looks on a background with the XYZ color 64.5617, 86.3463, 14.2410.



This preview shows how white text looks on a background with the XYZ color 64.5617, 86.3463,



# 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

64.5617, 86.3463, 14.2410



### Protanopia

79.3622, 85.8953, 50.4268



### Deuteranopia

82.9933, 85.9541, 73.8446



## Tritanopia

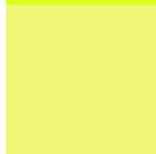
83.2592, 85.7929, 106.7792

# Trichromacy



## Original Color

64.5617, 86.3463, 14.2410



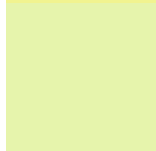
## Protanomaly

72.1981, 85.3136, 29.8015



## Deuteranomaly

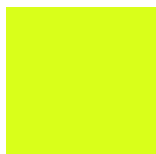
73.3603, 84.8156, 38.8901



## Tritanomaly

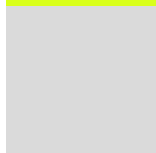
72.4302, 84.5029, 51.5229

# Monochromacy



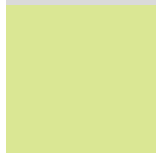
## Original Color

64.5617, 86.3463, 14.2410



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.8347, 74.1954, 39.0264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5617, 86.3463, 14.2410 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5617, 86.3463, 14.2410 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, 26) }
```



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

```
.border{ border-color:rgb(217, 255, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5617, 86.3463, 14.2410 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, 26) }
```

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

```
.background{ background-color: rgb(217,  
255, 26) }
```

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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