

Converting Colors

XYZ(61.9820, 85.0137, 14.2411)

Have a look what the booklet for
XYZ(61.9820, 85.0137, 14.2411)
contains.

XYZ(61.9820, 85.0137, 14.2411)	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(61.9820, 85.0137,
14.2411)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF1C
RGB	208, 255, 28
RGB Percent	82%, 100%, 11%
CMY	0.1843, 0.0000, 0.8901
CMYK	0.18, 0.00, 0.89, 0.00
HSL	72°, 100%, 55%
HSV	72°, 89%, 100%
XYZ	61.9820, 85.0137, 14.2411
YIQ	215.0690, 44.8550, -80.5610

Conversions

Conversions Part 2

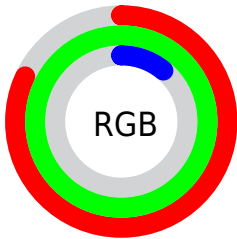
Format	Color
R _Y B	28, 255, 75
Decimal	13696796
CIE Lab	93.89, -40.07, 87.94
CIE LCh	94, 96.641, 114.496
Yxy	85.0137, 0.3844, 0.5273
Android (android.graphics.Color)	4291886876 (0xFFD0FF1C)
YUV	215.0690, -92.2250, -6.1995
Hunter-Lab	92.2029, -41.3611, 55.3844

Details

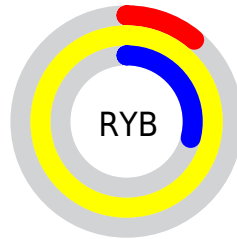
The XYZ color **61.9820, 85.0137, 14.2411** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **21.3688, 9.5480, 95.3244**, and the grayscale version is **65.2230, 68.6197, 74.7268**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **32.4068, 46.6841, 7.3029** is the 20% darker color. If you saturate the color by 10%, you get **60.3259, 84.1826, 13.1417**, and if you desaturate by 10%, it is **63.9363, 85.9698, 16.6551**.

Distribution



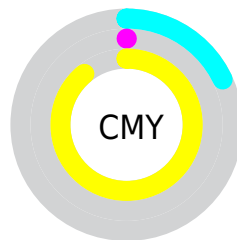
- Red (82%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (29%)



- Cyan (18%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.9820, 85.0137, 14.2411 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 61.9820, 85.0137, 14.2411 by changing the saturation by 10% instead.


 61.9820, 85.0137,
14.2411

 61.9820, 85.0137,
14.2411


421.5840,
511.6734, 230.2060

 45.2737, 63.8527,
8.1479


 106.7896,
140.3923, 34.2395


 31.8753, 46.5314,
4.1006


 135.6196,
175.3787, 48.9817


 21.4213, 32.6653,
1.6807


 169.2209,
215.7424, 67.4441

 13.5465, 21.8702,
0.3475

 207.9588,
261.8677, 90.0450

 7.8855, 13.7616,
0.0000

 252.1988,
314.1391, 117.2031

 4.0730, 7.9550,
0.0000

302.3060,

 1.7435, 4.0662,

372.9409, 149.3370

0.0000

358.6460,
438.6575, 186.8651

■ 0.4833, 1.7106,
0.0000

■ 0.0000, 0.4305,
0.0000

■ 61.9820, 85.0137,
14.2411

■ 61.9820, 85.0137,
14.2411

■ 60.3259, 84.1826,
13.1417

■ 63.9363, 85.9698,
16.6551

■ 60.1706, 84.1041,
13.0624

■ 66.2531, 87.0767,
20.7162

■ 68.9760, 88.3518,
26.6534

■ 72.1420, 89.8100,
34.6583

■ 75.7834, 91.4643,
44.8993

■ 79.9293, 93.3264,
57.5270

■ 84.6063, 95.4069,
72.6794

■ 89.8390, 97.7158,
90.4837

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.



85.6405, 85.0137, 11.0427



61.9820, 85.0137, 14.2411



46.8572, 85.0137, 32.2653

Triad

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



61.9820, 85.0137, 14.2411



55.3483, 85.0137, 262.3842



140.7087, 85.0137, 106.8277

Complementary

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



61.9820, 85.0137, 14.2411



21.3688, 9.5480, 95.3244

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.



128.1237, 85.0137, 201.6036



61.9820, 85.0137, 14.2411



76.1511, 85.0137, 317.2590

Square

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



61.9820, 85.0137, 14.2411



43.6350, 85.0137, 164.5920



103.0935, 85.0137, 290.5485



134.6834, 85.0137, 45.3806

Rectangle

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



61.9820, 85.0137, 14.2411



41.9000, 85.0137, 59.6300



103.0935, 85.0137, 290.5485



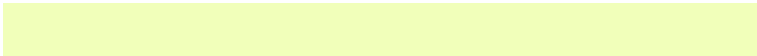
138.4460, 85.0137, 135.8261

Sweetspot

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



61.9820, 85.0137, 14.2423



80.8270, 93.7272, 60.3691



43.8597, 26.1637, 3.8382



16.9770, 19.9170, 11.9023



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.



61.9820, 85.0137, 14.2423



60.1706, 84.1041, 13.0624



40.8056, 74.0969, 13.2512



19.1713, 20.8897, 19.1660



31.5685, 44.0122, 6.8314



3.1620, 4.3308, 0.6693

Inverse Universe

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



21.3688, 9.5480, 95.3244



19.5078, 7.9715, 95.1182



38.9361, 18.6043, 96.1466



17.3544, 17.5589, 22.7245



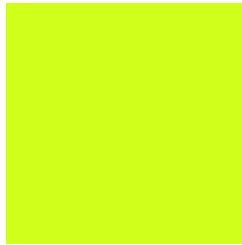
10.2912, 4.2158, 49.7059



1.0873, 0.4544, 4.8437

Previews

White Background



This preview shows how the XYZ color 61.9820, 85.0137, 14.2411 looks on a white background.

Color Contrast Check

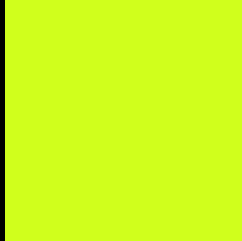
Large Text (above 18pt) WCAG AA × Fail

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 61.9820, 85.0137, 14.2411 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 61.9820, 85.0137, 14.2411

Background



This preview shows how black text looks on a background with the XYZ color 61.9820, 85.0137, 14.2411.

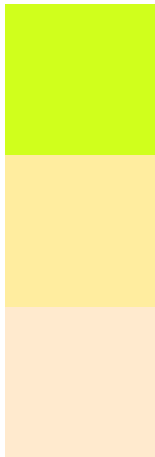


This preview shows how white text looks on a background with the XYZ color 61.9820, 85.0137,

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

61.9820, 85.0137, 14.2411

Protanopia

77.7822, 84.3316, 44.9789

Deuteranopia

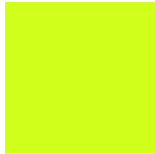
81.8034, 84.5619, 70.4031



Tritanopia

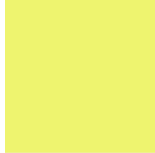
80.6473, 84.4464, 106.6570

Trichromacy



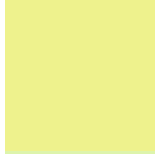
Original Color

61.9820, 85.0137, 14.2411



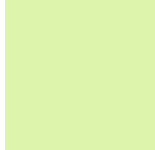
Protanomaly

70.4798, 84.0262, 27.5429



Deuteranomaly

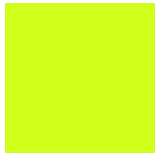
71.8197, 83.6045, 37.5513



Tritanomaly

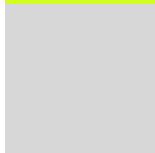
69.6159, 83.0521, 51.3912

Monochromacy



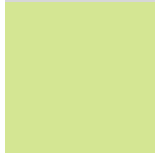
Original Color

61.9820, 85.0137, 14.2411



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.7147, 72.6973, 38.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9820, 85.0137, 14.2411 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(208, 255, 28)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 28)  
}
```

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(208, 255, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 28) }
```

Border

The CSS property to change the border of an element to XYZ 61.9820, 85.0137, 14.2411 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(208, 255, 28) }
```


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

```
.border{ border-color:rgb(208, 255, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 28);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9820, 85.0137, 14.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 28) }
```

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

```
.background{ background-color: rgb(208,  
255, 28) }
```

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