

Converting Colors

XYZ(59.1981, 83.6028, 13.0169)

Have a look what the booklet for
XYZ(59.1981, 83.6028, 13.0169)
contains.

XYZ(59.3132, 83.6621, 13.0223)	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(59.3132, 83.6621,
13.0223)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FF00
RGB	199, 255, 0
RGB Percent	78%, 100%, 0%
CMY	0.2196, 0.0000, 0.9998
CMYK	0.22, 0.00, 1.00, 0.00
HSL	73°, 100%, 50%
HSV	73°, 100%, 100%
XYZ	59.3132, 83.6621, 13.0223
YIQ	209.1860, 48.4790, -91.1770

Conversions

Conversions Part 2

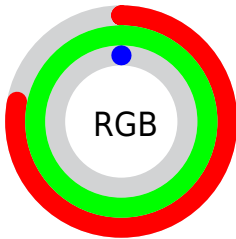
Format	Color
RYB	0, 255, 56
Decimal	13106944
CIELab	93.30, -43.86, 89.92
CIElCh	93, 100.043, 116.003
Yxy	83.6621, 0.3802, 0.5363
Android (android.graphics.Color)	4291297024 (0xFFC7FF00)
YUV	209.1860, -103.1287, -8.9331
Hunter-Lab	91.4670, -44.3161, 55.5857

Details

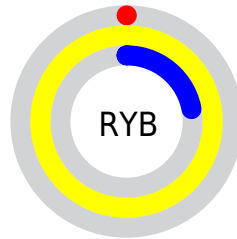
The XYZ color **59.3132, 83.6621, 13.0223** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.6837, 8.0628, 95.1266**, and the grayscale version is **61.3591, 64.5546, 70.2999**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **30.8415, 45.8771, 7.2297** is the 20% darker color. If you saturate the color by 10%, you get **59.3106, 83.6608, 13.0222**, and if you desaturate by 10%, it is **61.0081, 84.5149, 14.0482**.

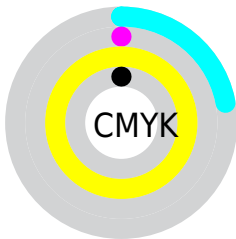
Distribution



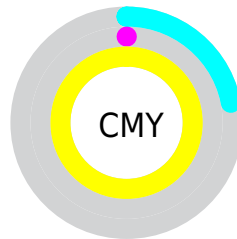
- Red (78%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (22%)



- Cyan (22%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3132, 83.6621, 13.0223 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 59.3132, 83.6621, 13.0223 by changing the saturation by 10% instead.


 59.3132, 83.6621,
13.0223


 59.3132, 83.6621,
13.0223


411.9370,
507.1905, 222.2734

 43.1126, 62.7365,
7.3130

 102.9448,
138.5024, 32.0356


 30.1684, 45.6281,
3.5772


 131.1065,
173.1859, 46.1767


 20.1152, 31.9524,
1.3964

 163.9859,
213.2241, 63.9655

 12.5875, 21.3252,
0.1389

 201.9485,
259.0015, 85.8205

 7.2202, 13.3619,
0.0000

 245.3595,
310.9025, 112.1602

 3.6477, 7.6782,
0.0000

 294.5844,

 1.5048, 3.8897,

369.3113, 143.4032

0.0000

349.9884,
434.6126, 179.9681

■ 0.3291, 1.6121,
0.0000

■ 0.0000, 0.3657,
0.0000

■ 59.3132, 83.6621,
13.0223

■ 59.3132, 83.6621,
13.0223

■ 59.3106, 83.6608,
13.0222

■ 61.0081, 84.5149,
14.0482

■ 62.9941, 85.4906,
16.3179

■ 65.3439, 86.6182,
20.2115

■ 68.1020, 87.9156,
25.9611

71.3060, 89.3980,
33.7614

74.9887, 91.0785,
43.7824

79.1795, 92.9690,
56.1765

83.9053, 95.0802,
71.0826

89.1911, 97.4222,
88.6290

Harmonies

Analogous

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



83.1017, 83.6621, 9.4836



59.3132, 83.6621, 13.0223



44.4808, 83.6621, 31.6715

Triad

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



59.3132, 83.6621, 13.0223



54.4240, 83.6621, 272.0726



141.5110, 83.6621, 101.5848

Complementary

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



59.3132, 83.6621, 13.0223



19.6837, 8.0628, 95.1266

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.



129.3428, 83.6621, 198.6730



59.3132, 83.6621, 13.0223



76.0394, 83.6621, 325.9847

Square

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



59.3132, 83.6621, 13.0223



42.1265, 83.6621, 170.6487



103.8585, 83.6621, 293.5883



134.2881, 83.6621, 41.1450

Rectangle

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



59.3132, 83.6621, 13.0223



39.7982, 83.6621, 60.3171



103.8585, 83.6621, 293.5883



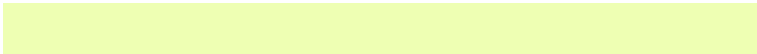
139.4929, 83.6621, 130.8814

Sweetspot

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



59.3132, 83.6621, 13.0234



79.1723, 92.9658, 56.1545



42.6199, 24.0194, 2.3911



16.5544, 19.7223, 10.8373



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.



59.3132, 83.6621, 13.0234



59.3106, 83.6608, 13.0222



38.4536, 72.9086, 12.0472



19.1479, 20.8777, 19.1649



31.1241, 43.7832, 6.8106



3.1223, 4.3104, 0.6674

Inverse Universe

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



19.6837, 8.0628, 95.1266



19.6814, 8.0610, 95.1263



37.5222, 17.2590, 95.9614



17.3760, 17.5701, 22.7255



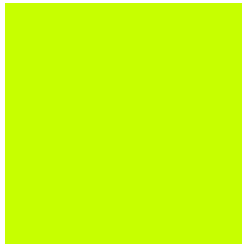
10.3867, 4.2650, 49.7104



1.0995, 0.4607, 4.8442

Previews

White Background



This preview shows how the XYZ color 59.3132, 83.6621, 13.0223 looks on a white background.

Color Contrast Check

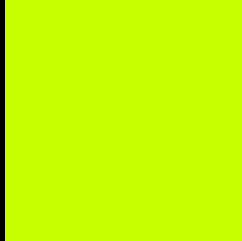
Large Text (above 18pt) WCAG AA × Fail

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 59.3132, 83.6621, 13.0223 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 59.3132, 83.6621, 13.0223

Background



This preview shows how black text looks on a background with the XYZ color 59.3132, 83.6621, 13.0223.

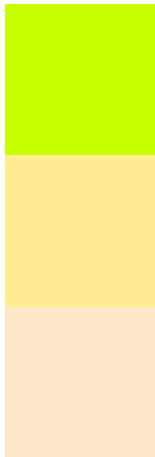


This preview shows how white text looks on a background with the XYZ color 59.3132, 83.6621,

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

59.3132, 83.6621, 13.0223

Protanopia

76.1366, 82.7520, 39.1540

Deuteranopia

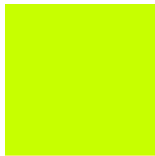
80.3585, 82.6289, 66.9720



Tritanopia

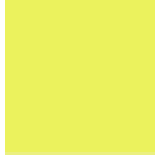
78.4584, 83.3180, 106.5545

Trichromacy



Original Color

59.3132, 83.6621, 13.0223



Protanomaly

67.9889, 81.9567, 22.5918



Deuteranomaly

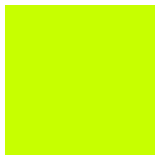
69.3173, 81.5409, 32.5076



Tritanomaly

66.6038, 81.6061, 46.4236

Monochromacy



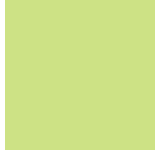
Original Color

59.3132, 83.6621, 13.0223



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.6068, 69.0653, 32.5377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3132, 83.6621, 13.0223 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(199, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.3132, 83.6621, 13.0223 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(199, 255, 0) }
```


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

```
.border{ border-color:rgb(199, 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(199, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3132, 83.6621, 13.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 0) }
```

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

```
.background{ background-color: rgb(199,  
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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