

Converting Colors

XYZ(57.7203, 82.9670, 16.5979)

Have a look what the booklet for
XYZ(57.7203, 82.9670, 16.5979)
contains.

XYZ(57.6848, 82.7430, 16.5451)	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(57.6848, 82.7430,
16.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF37
RGB	190, 255, 55
RGB Percent	75%, 100%, 22%
CMY	0.2549, 0.0000, 0.7843
CMYK	0.25, 0.00, 0.78, 0.00
HSL	80°, 100%, 61%
HSV	80°, 78%, 100%
XYZ	57.6848, 82.7430, 16.5451
YIQ	212.7650, 25.4600, -75.9800

Conversions

Conversions Part 2

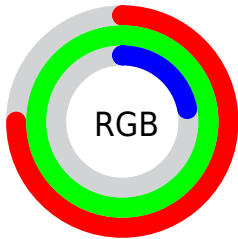
Format	Color
RYB	55, 255, 120
Decimal	12517175
CIELab	92.90, -46.08, 81.04
CIELCh	93, 93.220, 119.622
Yxy	82.7430, 0.3675, 0.5271
Android (android.graphics.Color)	4290707255 (0xFFBEFF37)
YUV	212.7650, -77.7781, -19.9649
Hunter-Lab	90.9632, -45.9888, 52.8901

Details

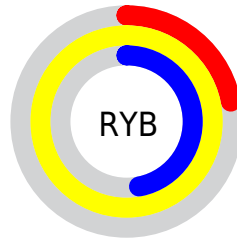
The XYZ color **57.6848, 82.7430, 16.5451** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **27.1637, 13.9470, 95.8681**, and the grayscale version is **63.5804, 66.8916, 72.8449**.

A 20% lighter version of the original color is **78.4544, 93.1520, 30.9847**, and **29.5542, 45.2135, 7.1694** is the 20% darker color. If you saturate the color by 10%, you get **55.2115, 81.5212, 14.0209**, and if you desaturate by 10%, it is **60.5914, 84.1516, 20.7378**.

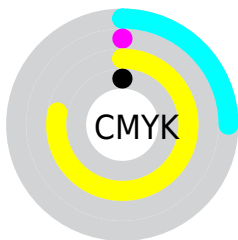
Distribution



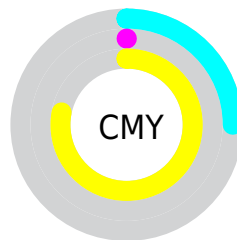
- Red (75%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (47%)



- Cyan (25%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6848, 82.7430, 16.5451 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 57.6848, 82.7430, 16.5451 by changing the saturation by 10% instead.

■ 57.6848, 82.7430,
16.5451

■ 57.6848, 82.7430,
16.5451

405.9832,
504.1296, 244.4917

■ 41.7976, 61.9782,
9.7522

■ 100.5893,
137.2155, 38.3218

■ 29.1332, 45.0151,
5.1315

■ 128.3373,
171.6919, 54.1427

■ 19.3264, 31.4693,
2.2645

■ 160.7696,
211.5076, 73.8101

■ 12.0118, 20.9565,
0.7113

■ 198.2516,
257.0470, 97.7423

■ 6.8240, 13.0922,
0.0000

■ 241.1486,
308.6945, 126.3581

■ 3.3976, 7.4921,
0.0000

289.8260,

■ 1.3673, 3.7717,

366.8345, 160.0759

0.0000

344.6491,
431.8514, 199.3142

■ 0.2328, 1.5467,
0.0000

■ 0.0000, 0.3212,
0.0000

■ 57.6848, 82.7430,
16.5451

■ 57.6848, 82.7430,
16.5451

■ 55.2115, 81.5212,
14.0209

■ 60.5914, 84.1516,
20.7378

■ 53.1094, 80.4614,
12.8466

■ 63.9756, 85.7651,
26.8206

■ 52.7997, 80.3043,
12.7174

■ 67.8755, 87.5989,
34.9849

■ 72.3246, 89.6666,
45.3978

■ 77.3532, 91.9806,
58.2094

■ 82.9889, 94.5521,
73.5567

■ 89.2576, 97.3915,
91.5667

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.



78.9546, 82.7430, 11.5020



57.6848, 82.7430, 16.5451



44.7529, 82.7430, 37.8451

Triad

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



57.6848, 82.7430, 16.5451



57.2500, 82.7430, 262.5202



135.4187, 82.7430, 90.9821

Complementary

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



57.6848, 82.7430, 16.5451



27.1637, 13.9470, 95.8681

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.



126.3871, 82.7430, 176.4167



57.6848, 82.7430, 16.5451



78.3357, 82.7430, 301.9211

Square

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



57.6848, 82.7430, 16.5451



44.5408, 82.7430, 174.0252



104.1511, 82.7430, 264.3322



126.8121, 82.7430, 38.7125

Rectangle

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



57.6848, 82.7430, 16.5451



40.9735, 82.7430, 68.0170



104.1511, 82.7430, 264.3322



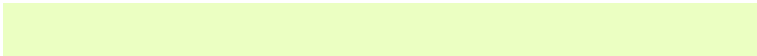
134.3218, 82.7430, 116.4933

Sweetspot

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



57.6849, 82.7430, 16.5463



79.7721, 93.0868, 64.6844



48.4483, 34.5729, 7.7353



16.6559, 19.7330, 12.7214



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.



57.6849, 82.7430, 16.5463



54.0011, 80.9134, 13.2349



40.8309, 74.0545, 15.7575



18.9537, 20.7775, 19.1558



27.7524, 42.0450, 6.6528



2.8169, 4.1529, 0.6531

Inverse Universe

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



27.1637, 13.9470, 95.8681



22.7602, 9.9081, 95.3206



48.4304, 24.9104, 96.8634



17.5589, 17.6643, 22.7341



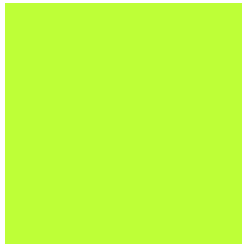
11.4281, 4.8019, 49.7591



1.2217, 0.5237, 4.8500

Previews

White Background



This preview shows how the XYZ color 57.6848, 82.7430, 16.5451 looks on a white background.

Color Contrast Check

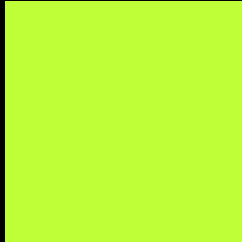
Large Text (above 18pt) WCAG AA × Fail

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 57.6848, 82.7430, 16.5451 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 57.6848, 82.7430, 16.5451

Background



This preview shows how black text looks on a background with the XYZ color 57.6848, 82.7430, 16.5451.

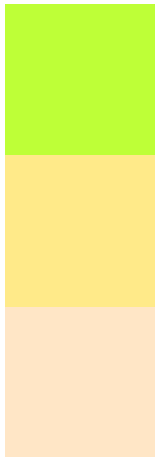


This preview shows how white text looks on a background with the XYZ color 57.6848, 82.7430,

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

57.6848, 82.7430, 16.5451

Protanopia

75.1782, 81.9118, 35.5152

Deuteranopia

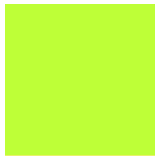
79.7299, 81.9308, 65.0381



Tritanopia

76.0657, 82.0845, 106.4425

Trichromacy



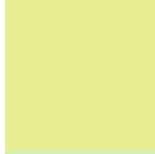
Original Color

57.6848, 82.7430, 16.5451



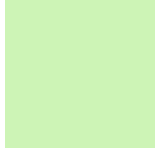
Protanomaly

67.3610, 81.5547, 26.1013



Deuteranomaly

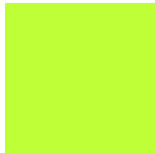
69.0098, 80.7973, 39.1524



Tritanomaly

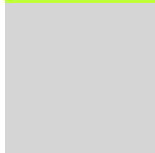
65.9710, 81.0579, 56.4247

Monochromacy



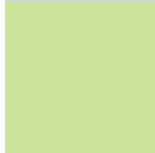
Original Color

57.6848, 82.7430, 16.5451



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.9210, 70.8662, 42.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6848, 82.7430, 16.5451 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(190, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 55)  
}
```

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(190, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 57.6848, 82.7430, 16.5451 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(190, 255, 55) }
```


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

```
.border{ border-color:rgb(190, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6848, 82.7430, 16.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 55) }
```

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

```
.background{ background-color: rgb(190,  
255, 55) }
```

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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