

Converting Colors

XYZ(57.2043, 79.9681, 24.9082)

Have a look what the booklet for
XYZ(57.2043, 79.9681, 24.9082)
contains.

XYZ(57.3229, 80.0219, 24.9949)	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(57.3229, 80.0219,
24.9949)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFA66
RGB	188, 250, 102
RGB Percent	74%, 98%, 40%
CMY	0.2627, 0.0196, 0.6000
CMYK	0.25, 0.00, 0.59, 0.02
HSL	85°, 94%, 69%
HSV	85°, 59%, 98%
XYZ	57.3229, 80.0219, 24.9949
YIQ	214.5900, 10.5560, -59.1720

Conversions

Conversions Part 2

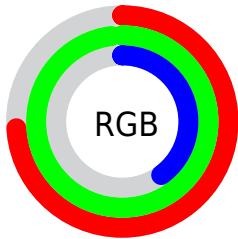
Format	Color
RYB	102, 250, 164
Decimal	12384870
CIELab	91.69, -41.76, 63.22
CIELCh	92, 75.768, 123.446
Yxy	80.0219, 0.3531, 0.4929
Android (android.graphics.Color)	4290574950 (0xFFBCFA66)
YUV	214.5900, -55.5069, -23.3194
Hunter-Lab	89.4550, -42.1631, 46.0521

Details

The XYZ color **57.3229, 80.0219, 24.9949** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.3200, 24.2997, 93.1704**, and the grayscale version is **64.6743, 68.0424, 74.0981**.

A 20% lighter version of the original color is **80.2893, 93.7628, 46.2141**, and **28.9037, 43.1547, 9.2889** is the 20% darker color. If you saturate the color by 10%, you get **53.7785, 78.3195, 19.3046**, and if you desaturate by 10%, it is **61.4322, 81.9774, 32.6658**.

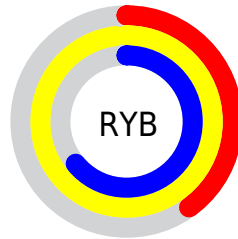
Distribution



Red (74%)

Green (98%)

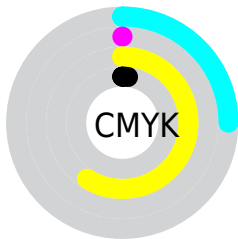
Blue (40%)



Red (40%)

Yellow (98%)

Blue (64%)

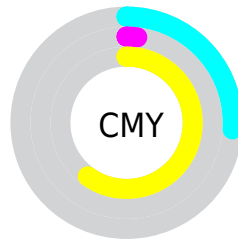


Cyan (25%)

Magenta (0%)

Yellow (59%)

Black (2%)



Cyan (26%)


Magenta (2%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.3229, 80.0219, 24.9949 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 57.3229, 80.0219, 24.9949 by changing the saturation by 10% instead.


 57.3229, 80.0219,
24.9949

 57.3229, 80.0219,
24.9949


404.6528,
495.0066, 291.2594

 41.5057, 59.7364,
15.8543


 100.0648,
133.3965, 52.6130


 28.9038, 43.2062,
9.2679


 127.7203,
167.2544, 71.9275

 19.1520, 30.0469,
4.8171


 160.0525,
206.4052, 95.4704

 11.8848, 19.8742,
2.0835

 197.4268,
251.2333, 123.6602

 6.7369, 12.3036,
0.6059

240.2087,
302.1231, 156.9155

 3.3430, 6.9508,
0.0000

288.7634,

 1.3376, 3.4314,

359.4590, 195.6547

0.0000

343.4563,
423.6254, 240.2965

■ 0.2111, 1.3609,
0.0000

■ 0.0000, 0.1876,
0.0000

■ 57.3229, 80.0219,
24.9949

■ 57.3229, 80.0219,
24.9949

■ 53.7785, 78.3195,
19.3046

■ 61.4322, 81.9774,
32.6658

■ 50.7545, 76.8438,
15.4065


■ 66.1351, 84.1896,
42.4726


■ 48.2075, 75.5795,
13.0846


■ 71.4643, 86.6749,
54.5615


■ 46.0707, 74.4995,
12.0092

■ 77.4486, 89.4451,
69.0639

 45.9111, 74.4185,
11.9444

 84.1145, 92.5113,
86.1014

 91.4869, 95.8838,
105.7874

 93.4774, 96.8547,
108.3758

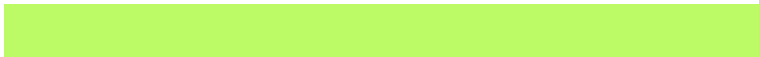
Harmonies

Analogous

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



73.8415, 80.0219, 18.1401



57.3229, 80.0219, 24.9949



47.3712, 80.0219, 47.6177

Triad

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



57.3229, 80.0219, 24.9949



60.5947, 80.0219, 221.6036



119.6200, 80.0219, 80.8744

Complementary

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



57.3229, 80.0219, 24.9949



37.3200, 24.2997, 93.1704

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.



114.4737, 80.0219, 144.0384



57.3229, 80.0219, 24.9949



78.3193, 80.0219, 242.8529

Square

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



57.3229, 80.0219, 24.9949



49.0228, 80.0219, 160.1297



98.4871, 80.0219, 209.8701



111.5585, 80.0219, 40.5733

Rectangle

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



57.3229, 80.0219, 24.9949



44.7341, 80.0219, 75.5147



98.4871, 80.0219, 209.8701



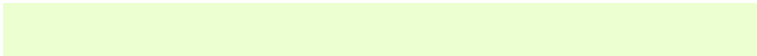
119.3821, 80.0219, 99.8797

Sweetspot

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



57.3248, 80.0254, 24.9966



81.7967, 93.9219, 74.2041



55.0416, 47.7179, 18.8810



17.0969, 19.9135, 14.8601



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.



57.3248, 80.0254, 24.9966



55.6190, 81.6151, 19.2916



43.5693, 72.9342, 24.3529



17.9836, 19.8073, 18.3378



24.5192, 39.5584, 6.3432



2.3917, 3.7261, 0.5931

Inverse Universe

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



37.3200, 24.2997, 93.1704



33.0367, 18.5761, 96.4521



57.1579, 34.5265, 94.0988



16.9721, 16.9983, 21.7718



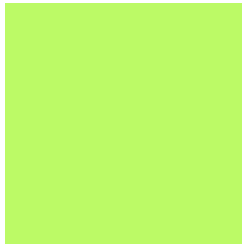
12.3819, 5.3258, 48.3489



1.2646, 0.5540, 4.4835

Previews

White Background



This preview shows how the XYZ color 57.3229, 80.0219, 24.9949 looks on a white background.

Color Contrast Check

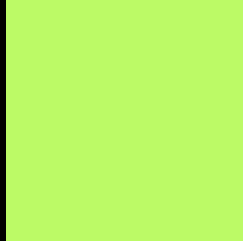
Large Text (above 18pt) WCAG AA × Fail

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 57.3229, 80.0219, 24.9949 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

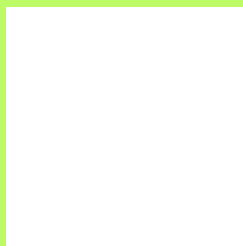
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.3229, 80.0219, 24.9949

Background



This preview shows how black text looks on a background with the XYZ color 57.3229, 80.0219, 24.9949.



This preview shows how white text looks on a background with the XYZ color 57.3229, 80.0219,

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

57.3229, 80.0219, 24.9949

Protanopia

72.5762, 79.5160, 25.9909

Deuteranopia

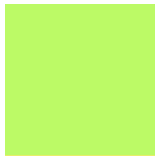
77.7306, 79.3704, 59.9384



Tritanopia

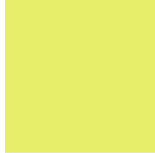
73.4504, 79.9184, 104.4831

Trichromacy



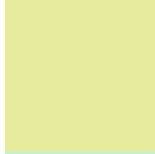
Original Color

57.3229, 80.0219, 24.9949



Protanomaly

66.1311, 79.1786, 25.4332



Deuteranomaly

68.8349, 78.8742, 43.9440



Tritanomaly

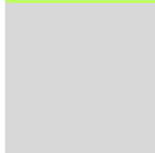
65.4405, 78.8149, 65.1898

Monochromacy



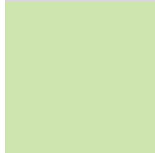
Original Color

57.3229, 80.0219, 24.9949



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5602, 71.5219, 50.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.3229, 80.0219, 24.9949 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(188, 250, 102)` looks like.

```
.text, #text, p{  
    color:rgb(188, 250, 102)  
}
```

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(188, 250, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 250, 102) }
```

Border

The CSS property to change the border of an element to XYZ 57.3229, 80.0219, 24.9949 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(188, 250, 102) }
```


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

```
.border{ border-color:rgb(188, 250, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 250, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 250, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 250, 102);  
box-shadow:4px 4px 4px 4px rgb(188, 250,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 57.3229, 80.0219, 24.9949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 250, 102) }
```

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

```
.background{ background-color: rgb(188,  
250, 102) }
```

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