

Converting Colors

XYZ(57.1042, 82.1756, 28.6272)

Have a look what the booklet for
XYZ(57.1042, 82.1756, 28.6272)
contains.

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Color

**XYZ(57.1574, 82.1999,
28.7732)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FF72
RGB	178, 255, 114
RGB Percent	70%, 100%, 45%
CMY	0.3020, 0.0000, 0.5529
CMYK	0.30, 0.00, 0.55, 0.00
HSL	93°, 100%, 72%
HSV	93°, 55%, 100%
XYZ	57.1574, 82.1999, 28.7732
YIQ	215.9030, -0.6310, -60.1750

Conversions

Conversions Part 2

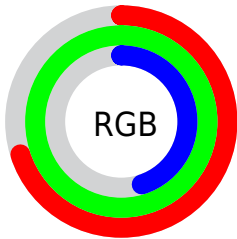
Format	Color
RYB	114, 255, 191
Decimal	11730802
CIELab	92.66, -46.34, 59.01
CIELCh	93, 75.028, 128.144
Yxy	82.1999, 0.3400, 0.4889
Android (android.graphics.Color)	4289920882 (0xFFB2FF72)
YUV	215.9030, -50.2382, -33.2409
Hunter-Lab	90.6642, -46.1305, 44.6486

Details

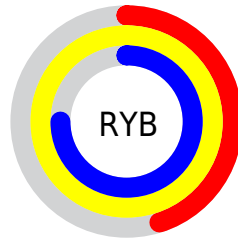
The XYZ color **57.1574, 82.1999, 28.7732** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **45.5545, 30.3323, 98.0615**, and the grayscale version is **65.5357, 68.9486, 75.0851**.

A 20% lighter version of the original color is **77.8465, 92.3891, 51.2661**, and **28.8687, 44.7689, 11.2574** is the 20% darker color. If you saturate the color by 10%, you get **52.8676, 80.1334, 22.0232**, and if you desaturate by 10%, it is **62.1766, 84.5957, 37.6711**.

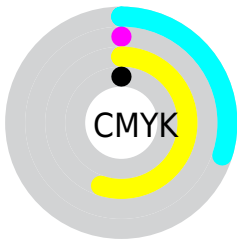
Distribution



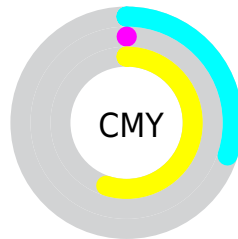
- Red (70%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1574, 82.1999, 28.7732 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 57.1574, 82.1999, 28.7732 by changing the saturation by 10% instead.


 57.1574, 82.1999,
28.7732


 57.1574, 82.1999,
28.7732


404.0435,
502.3161, 310.1707


 41.3723, 61.5303,
18.6652


 99.8249, 136.4543,
58.7544

 28.7990, 44.6533,
11.2543


 127.4379,
170.8079, 79.4648

 19.0724, 31.1844,
6.1218


 159.7242,
210.4916, 104.5463

 11.8269, 20.7393,
2.8493

197.0493,
255.8899, 134.4175

 6.6973, 12.9336,
1.0182

239.7784,
307.3871, 169.4971

 3.3181, 7.3828,
0.0000

288.2769,

 1.3242, 3.7027,

365.3676, 210.2034

0.0000

342.9101,
430.2158, 256.9551

■ 0.2012, 1.5087,
0.0000

■ 0.0000, 0.2948,
0.0000

■ 57.1574, 82.1999,
28.7732

■ 57.1574, 82.1999,
28.7732

■ 52.8676, 80.1334,
22.0232

■ 62.1766, 84.5957,
37.6711

■ 49.2623, 78.3771,
17.2351

■ 67.9644, 87.3374,
48.8749

■ 46.2914, 76.9097,
14.1973

■ 74.5575, 90.4408,
62.5317

■ 43.8945, 75.7058,
12.6472

■ 81.9897, 93.9204,
78.7755

■ 42.9281, 75.2153,
12.2555

■ 90.2928, 97.7898,
97.7306

95.0500, 100.0000,
108.9000

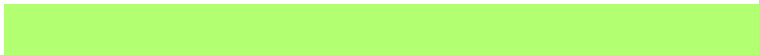
Harmonies

Analogous

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



72.9295, 82.1999, 19.6792



57.1574, 82.1999, 28.7732



48.2055, 82.1999, 55.1428

Triad

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



57.1574, 82.1999, 28.7732



64.9681, 82.1999, 230.9915



121.5011, 82.1999, 75.1169

Complementary

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



57.1574, 82.1999, 28.7732



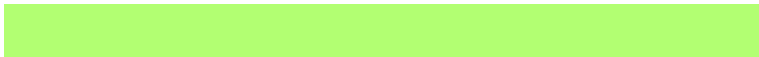
45.5545, 30.3323, 98.0615

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.



118.4134, 82.1999, 135.7965



57.1574, 82.1999, 28.7732



83.5690, 82.1999, 243.7202

Square

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



57.1574, 82.1999, 28.7732



52.1640, 82.1999, 173.6974



103.6884, 82.1999, 203.4999



111.5332, 82.1999, 38.1606

Rectangle

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



57.1574, 82.1999, 28.7732



46.2898, 82.1999, 86.0641



103.6884, 82.1999, 203.4999



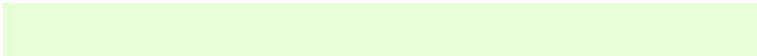
121.9835, 82.1999, 93.0297

Sweetspot

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



57.1576, 82.2000, 28.7744



80.6599, 93.2990, 75.8134



62.5185, 58.9571, 24.0055



16.9365, 19.8164, 15.5027



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.



57.1576, 82.2000, 28.7744



52.5906, 79.9992, 21.6223



46.0119, 76.4225, 29.6856



18.5547, 20.5719, 19.1372



22.5978, 39.3877, 6.4116



2.3242, 3.8989, 0.6301

Inverse Universe

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



45.5545, 30.3323, 98.0615



39.9345, 23.5253, 97.0438



64.5602, 40.2165, 95.0493



17.9512, 17.8666, 22.7524



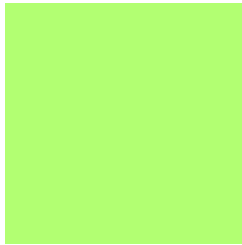
15.1921, 6.7423, 49.9353



1.6052, 0.7214, 4.8679

Previews

White Background



This preview shows how the XYZ color 57.1574, 82.1999, 28.7732 looks on a white background.

Color Contrast Check

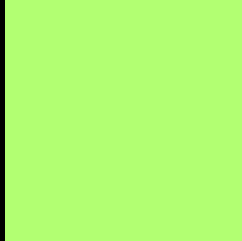
Large Text (above 18pt) WCAG AA × Fail

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 57.1574, 82.1999, 28.7732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

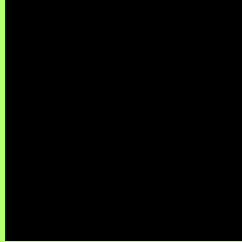
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.1574, 82.1999, 28.7732

Background



This preview shows how black text looks on a background with the XYZ color 57.1574, 82.1999, 28.7732.

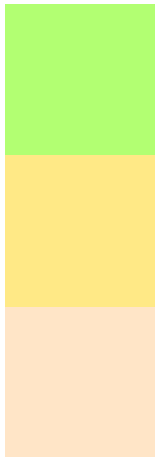


This preview shows how white text looks on a background with the XYZ color 57.1574, 82.1999,

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

57.1574, 82.1999, 28.7732

Protanopia

74.6820, 81.2591, 34.3027

Deuteranopia

79.5681, 81.4221, 65.5552



Tritanopia

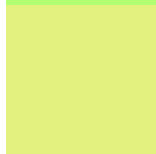
74.0933, 81.9321, 106.5171

Trichromacy



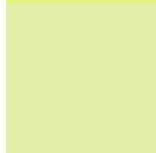
Original Color

57.1574, 82.1999, 28.7732



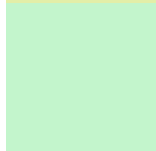
Protanomaly

66.9646, 80.7738, 32.1402



Deuteranomaly

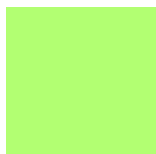
69.3210, 80.3071, 48.8930



Tritanomaly

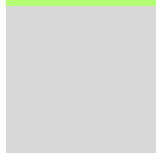
66.0572, 81.2666, 69.3312

Monochromacy



Original Color

57.1574, 82.1999, 28.7732



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.7906, 72.4049, 53.4194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1574, 82.1999, 28.7732 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(178, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 114)  
}
```

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(178, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 57.1574, 82.1999, 28.7732 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(178, 255, 114) }
```


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

```
.border{ border-color:rgb(178, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 255, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 255, 114); box-shadow:4px 4px 4px 4px rgb(178, 255, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1574, 82.1999, 28.7732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 114) }
```

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

```
.background{ background-color: rgb(178,  
255, 114) }
```

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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