

Converting Colors

XYZ(64.9322, 100.0000,
25.8754)

Have a look what the booklet for
XYZ(64.9322, 100.0000, 25.8754)
contains.

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Color

**XYZ(55.7798, 81.6224,
22.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF5B
RGB	177, 255, 91
RGB Percent	69%, 100%, 36%
CMY	0.3059, 0.0000, 0.6431
CMYK	0.31, 0.00, 0.64, 0.00
HSL	89°, 100%, 68%
HSV	89°, 64%, 100%
XYZ	55.7798, 81.6224, 22.7123
YIQ	212.9820, 6.1560, -67.5400

Conversions

Conversions Part 2

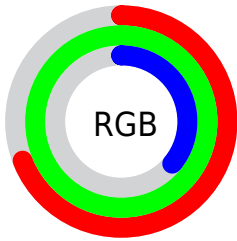
Format	Color
RYB	91, 255, 169
Decimal	11665243
CIELab	92.41, -48.66, 68.30
CIElCh	92, 83.859, 125.468
Yxy	81.6224, 0.3484, 0.5098
Android (android.graphics.Color)	4289855323 (0xFFB1FF5B)
YUV	212.9820, -60.1371, -31.5562
Hunter-Lab	90.3451, -47.8966, 48.3364

Details

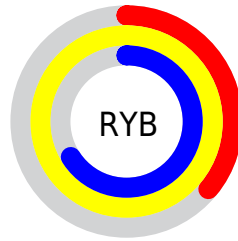
The XYZ color **55.7798, 81.6224, 22.7123** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **38.1548, 23.1386, 97.0630**, and the grayscale version is **63.6205, 66.9337, 72.8908**.

A 20% lighter version of the original color is **75.6974, 91.4910, 41.6868**, and **27.9997, 44.3892, 8.1292** is the 20% darker color. If you saturate the color by 10%, you get **52.2192, 79.8931, 17.7468**, and if you desaturate by 10%, it is **59.9600, 83.6280, 29.6591**.

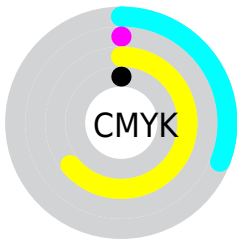
Distribution



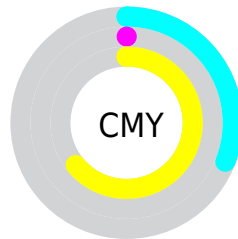
- Red (69%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (66%)



- Cyan (31%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7798, 81.6224, 22.7123 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 55.7798, 81.6224, 22.7123 by changing the saturation by 10% instead.


 55.7798, 81.6224,
22.7123


 55.7798, 81.6224,
22.7123


398.9496,
500.3838, 279.3177


 40.2627, 61.0543,
14.1779


 97.8242, 135.6444,
48.8377


 27.9286, 44.2690,
8.1044


 125.0823,
169.8670, 67.2658

 18.4120, 30.8821,
4.0731


 156.9847,
209.4100, 89.8288

 11.3477, 20.5091,
1.6655

 193.8968,
254.6578, 116.9454

 6.3702, 12.7656,
0.3369

236.1840,
305.9946, 149.0340

 3.1142, 7.2673,
0.0000

284.2116,

 1.2145, 3.6299,

363.8049, 186.5133

0.0000

338.3451,
428.4732, 229.8017

■ 0.1177, 1.4687,
0.0000

■ 0.0000, 0.2666,
0.0000

■ 55.7798, 81.6224,
22.7123

■ 55.7798, 81.6224,
22.7123

■ 52.2192, 79.8931,
17.7468

■ 59.9600, 83.6280,
29.6591

■ 49.2315, 78.4206,
14.5499

■ 64.7994, 85.9263,
38.7633

■ 46.7618, 77.1821,
12.8667

■ 70.3343, 88.5326,
50.1860

■ 45.5463, 76.5650,
12.3780

■ 76.5979, 91.4607,
64.0716

■ 83.6210, 94.7237,
80.5529

■ 91.4321, 98.3336,
99.7533

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.



73.6671, 81.6224, 15.0608



55.7798, 81.6224, 22.7123



45.4479, 81.6224, 47.8841

Triad

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



55.7798, 81.6224, 22.7123



61.4977, 81.6224, 248.1557



127.0278, 81.6224, 77.9542

Complementary

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



55.7798, 81.6224, 22.7123



38.1548, 23.1386, 97.0630

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.



122.1187, 81.6224, 148.3655



55.7798, 81.6224, 22.7123



81.6284, 81.6224, 269.0481

Square

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



55.7798, 81.6224, 22.7123



48.2919, 81.6224, 177.9211



104.4271, 81.6224, 226.2315



116.8114, 81.6224, 35.9646

Rectangle

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



55.7798, 81.6224, 22.7123



42.9469, 81.6224, 79.7526



104.4271, 81.6224, 226.2315



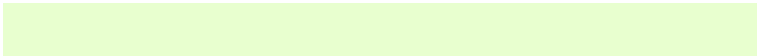
127.1105, 81.6224, 98.6633

Sweetspot

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



55.7800, 81.6225, 22.7135



80.2320, 93.1515, 72.4948



57.0457, 49.8497, 16.5140



16.7483, 19.7408, 14.5263



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.



55.7800, 81.6225, 22.7135



51.3618, 79.4729, 16.7230



42.5222, 74.7879, 22.0930



18.6806, 20.6368, 19.1431



23.9727, 40.0965, 6.4759



2.4603, 3.9691, 0.6364

Inverse Universe

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



38.1548, 23.1386, 97.0630



32.5522, 16.9912, 96.1717



61.0489, 34.9410, 98.1344



17.8248, 17.8014, 22.7465



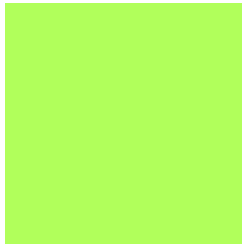
13.7423, 5.9949, 49.8674



1.4632, 0.6482, 4.8613

Previews

White Background



This preview shows how the XYZ color 55.7798, 81.6224, 22.7123 looks on a white background.

Color Contrast Check

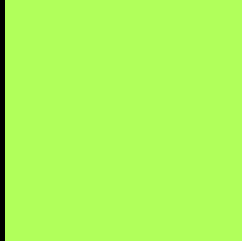
Large Text (above 18pt) WCAG AA × Fail

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 55.7798, 81.6224, 22.7123 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 55.7798, 81.6224, 22.7123

Background



This preview shows how black text looks on a background with the XYZ color 55.7798, 81.6224, 22.7123.

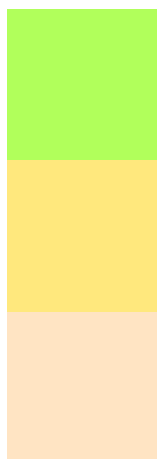


This preview shows how white text looks on a background with the XYZ color 55.7798, 81.6224,

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

55.7798, 81.6224, 22.7123

Protanopia

73.7983, 80.4539, 31.0416

Deuteranopia

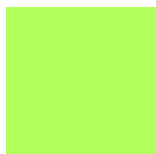
78.8337, 80.6869, 63.0489



Tritanopia

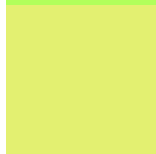
73.5264, 81.2064, 106.4069

Trichromacy



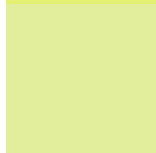
Original Color

55.7798, 81.6224, 22.7123



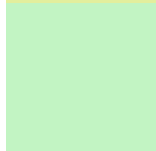
Protanomaly

65.8193, 79.8433, 27.5650



Deuteranomaly

68.3389, 79.9143, 43.7214



Tritanomaly

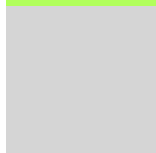
64.4491, 80.1108, 63.6959

Monochromacy



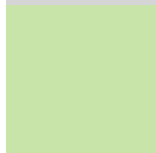
Original Color

55.7798, 81.6224, 22.7123



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7243, 70.6307, 48.0741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7798, 81.6224, 22.7123 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(177, 255, 91)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 91)  
}
```

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(177, 255, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 91) }
```

Border

The CSS property to change the border of an element to XYZ 55.7798, 81.6224, 22.7123 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(177, 255, 91) }
```


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

```
.border{ border-color:rgb(177, 255, 91) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7798, 81.6224, 22.7123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 91) }
```

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

```
.background{ background-color: rgb(177,  
255, 91) }
```

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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