

Converting Colors

XYZ(51.0752, 79.0644, 28.4901)

Have a look what the booklet for
XYZ(51.0752, 79.0644, 28.4901)
contains.

XYZ(51.0100, 79.0308, 28.4856)	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(51.0100, 79.0308,
28.4856)**

Conversions

Conversions Part 1

Format	Color
Hex	94FF72
RGB	148, 255, 114
RGB Percent	58%, 100%, 45%
CMY	0.4196, 0.0000, 0.5529
CMYK	0.42, 0.00, 0.55, 0.00
HSL	106°, 100%, 72%
HSV	106°, 55%, 100%
XYZ	51.0100, 79.0308, 28.4856
YIQ	206.9330, -18.5110, -66.5350

Conversions

Conversions Part 2

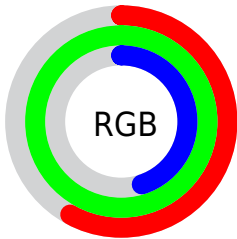
Format	Color
R_{YB}	114, 255, 221
Decimal	9764722
CIE _{Lab}	91.25, -55.95, 57.00
CIE _{LCh}	91, 79.869, 134.469
Yxy	79.0308, 0.3218, 0.4985
Android (android.graphics.Color)	4287954802 (0xFF94FF72)
YUV	206.9330, -45.8160, -51.6842
Hunter-Lab	88.8993, -53.1512, 43.2315

Details

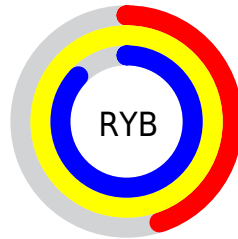
The XYZ color **51.0100, 79.0308, 28.4856** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **53.8878, 34.6283, 98.4515**, and the grayscale version is **59.5592, 62.6610, 68.2378**.

A 20% lighter version of the original color is **68.6536, 87.6500, 50.8358**, and **24.8755, 42.3721, 11.0052** is the 20% darker color. If you saturate the color by 10%, you get **46.5424, 76.8726, 21.7273**, and if you desaturate by 10%, it is **56.4679, 81.6527, 37.4041**.

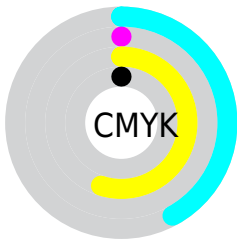
Distribution



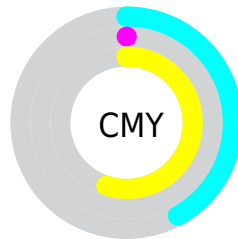
- Red (58%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0100, 79.0308, 28.4856 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 51.0100, 79.0308, 28.4856 by changing the saturation by 10% instead.

 51.0100, 79.0308,
28.4856

 51.0100, 79.0308,
28.4856


380.9897,
491.6605, 308.7647


 36.4376, 58.9211,
18.4498


 90.8525, 132.0022,
58.2912

 24.9441, 42.5496,
11.1006


 116.8533,
165.6328, 78.8981

 16.1639, 29.5319,
6.0195


 147.3943,
204.5391, 103.8658

 9.7318, 19.4836,
2.7880

182.8408,
249.1055, 133.6127

 5.2824, 12.0202,
0.9874

223.5583,
299.7165, 168.5576

 2.4503, 6.7574,
0.0000

269.9120,

 0.8703, 3.3109,

356.7564, 209.1188

0.0000

322.2673,
420.6096, 255.7150

0.0000, 1.2961,
0.0000

0.0000, 0.1382,
0.0000

51.0100, 79.0308,
28.4856

51.0100, 79.0308,
28.4856

46.5424, 76.8726,
21.7273

56.4679, 81.6527,
37.4041

43.0006, 75.1490,
16.9421

62.9729, 84.7642,
48.6414


40.3131, 73.8277,
13.9175

70.5784, 88.3895,
62.3456

38.3952, 72.8708,
12.3898

79.3335, 92.5511,
78.6514

 37.7144, 72.5275,
12.0115

 89.2845, 97.2701,
97.6837

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.



65.8024, 79.0308, 16.9437



51.0100, 79.0308, 28.4856



43.5019, 79.0308, 59.5146

Triad

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



51.0100, 79.0308, 28.4856



65.1663, 79.0308, 244.3953



119.4741, 79.0308, 61.0895

Complementary

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



51.0100, 79.0308, 28.4856



53.8878, 34.6283, 98.4515

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.



119.2198, 79.0308, 119.4936



51.0100, 79.0308, 28.4856



85.2703, 79.0308, 245.4696

Square

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



51.0100, 79.0308, 28.4856



50.6168, 79.0308, 190.1811



105.8249, 79.0308, 192.6714



106.4674, 79.0308, 29.1907

Rectangle

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



51.0100, 79.0308, 28.4856



42.6027, 79.0308, 95.0352



105.8249, 79.0308, 192.6714



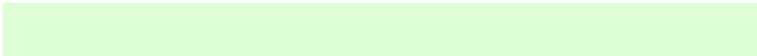
121.0019, 79.0308, 77.6518

Sweetspot

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



51.0103, 79.0309, 28.4868



77.7551, 91.8016, 75.6775



69.8054, 73.5308, 26.4346



16.2548, 19.4650, 15.4708



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.



51.0103, 79.0309, 28.4868



46.2622, 76.7367, 21.3261



48.1450, 77.2757, 40.9180



18.1816, 20.3795, 19.1197



19.8172, 37.9542, 6.2814



2.0224, 3.7434, 0.6159

Inverse Universe

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



53.8878, 34.6283, 98.4515



49.2884, 28.3474, 97.4816



60.1431, 38.4497, 71.7890



18.3396, 18.0668, 22.7706



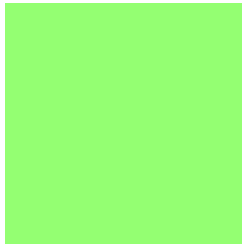
21.1327, 9.8048, 50.2133



2.1552, 1.0050, 4.8937

Previews

White Background



This preview shows how the XYZ color 51.0100, 79.0308, 28.4856 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 51.0100, 79.0308, 28.4856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

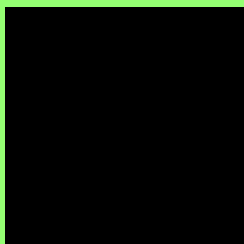
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0100, 79.0308, 28.4856

Background



This preview shows how black text looks on a background with the XYZ color 51.0100, 79.0308, 28.4856.

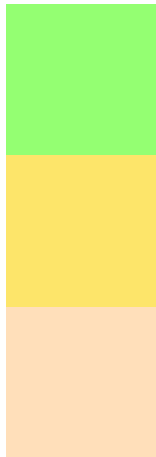


This preview shows how white text looks on a background with the XYZ color 51.0100, 79.0308,

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

51.0100, 79.0308, 28.4856

Protanopia

71.1288, 77.9619, 24.9349

Deuteranopia

76.4906, 77.5805, 57.3974



Tritanopia

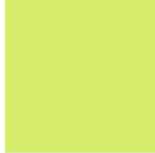
67.9159, 78.3142, 106.1443

Trichromacy



Original Color

51.0100, 79.0308, 28.4856



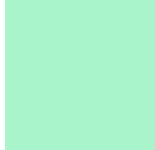
Protanomaly

61.3592, 76.7003, 26.0387



Deuteranomaly

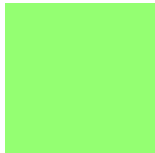
64.3724, 76.5537, 44.6413



Tritanomaly

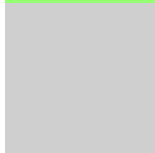
59.8273, 77.6070, 68.9532

Monochromacy



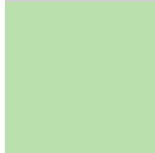
Original Color

51.0100, 79.0308, 28.4856



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4482, 66.7675, 49.5529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0100, 79.0308, 28.4856 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(148, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 51.0100, 79.0308, 28.4856 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(148, 255, 114) }
```


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

```
.border{ border-color:rgb(148, 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(148, 255, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0100, 79.0308, 28.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 114) }
```

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

```
.background{ background-color: rgb(148,  
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](#).

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