

Converting Colors

XYZ(51.9407, 79.1493, 44.8527)

Have a look what the booklet for
XYZ(51.9407, 79.1493, 44.8527)
contains.

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Color

**XYZ(51.9232, 79.1395,
44.8866)**

Conversions

Conversions Part 1

Format	Color
Hex	87FF9E
RGB	135, 255, 158
RGB Percent	53%, 100%, 62%
CMY	0.4706, 0.0000, 0.3804
CMYK	0.47, 0.00, 0.38, 0.00
HSL	132°, 100%, 76%
HSV	132°, 47%, 100%
XYZ	51.9232, 79.1395, 44.8866
YIQ	208.0620, -40.3830, -55.6070

Conversions

Conversions Part 2

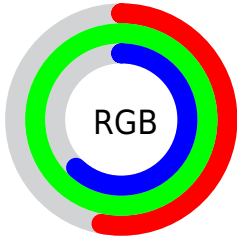
Format	Color
RYB	135, 236, 255
Decimal	8912798
CIELab	91.30, -53.75, 36.15
CIELCh	91, 64.774, 146.081
Yxy	79.1395, 0.2951, 0.4498
Android (android.graphics.Color)	4287102878 (0xFF87FF9E)
YUV	208.0620, -24.6806, -64.0754
Hunter-Lab	88.9604, -51.4962, 32.3564

Details

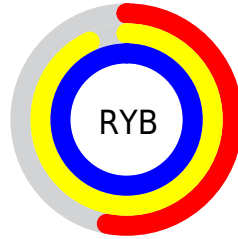
The XYZ color **51.9232, 79.1395, 44.8866** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.4694, 44.4144, 81.5177**, and the grayscale version is **60.1680, 63.3014, 68.9353**.

A 20% lighter version of the original color is **70.0184, 87.7934, 76.2063**, and **25.4177, 42.4483, 20.2183** is the 20% darker color. If you saturate the color by 10%, you get **46.6720, 76.6205, 36.1435**, and if you desaturate by 10%, it is **58.4554, 82.2845, 55.2455**.

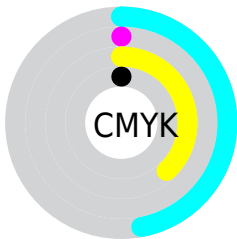
Distribution



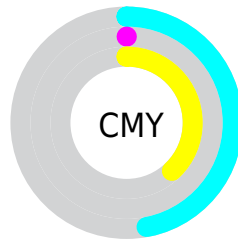
- Red (53%)
- Green (100%)
- Blue (62%)



- Red (53%)
- Yellow (93%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9232, 79.1395, 44.8866 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 51.9232, 79.1395, 44.8866 by changing the saturation by 10% instead.


 51.9232, 79.1395,
44.8866


 51.9232, 79.1395,
44.8866


384.4689,
492.0281, 382.4608

 37.1679, 59.0105,
31.0258


 92.1929, 132.1552,
83.8669

 25.5118, 42.6216,
20.3599


 118.4379,
165.8108, 109.8234

 16.5895, 29.5883,
12.4702


149.2436,
204.7439, 140.6490

 10.0357, 19.5263,
6.9384

184.9753,
249.3391, 176.7621

 5.4851, 12.0512,
3.3457

225.9983,
299.9808, 218.5813

 2.5723, 6.7786,
1.2738

272.6780,

 0.9318, 3.3240,

357.0532, 266.5251

0.0401

325.3797,
420.9409, 321.0121

0.0000, 1.3031,
0.0000

0.0000, 0.1436,
0.0000

51.9232, 79.1395,
44.8866

51.9232, 79.1395,
44.8866

46.6720, 76.6205,
36.1435

58.4554, 82.2845,
55.2455

42.6142, 74.6840,
28.9309

66.3452, 86.0933,
67.2921

39.6532, 73.2822,
23.1615

75.6648, 90.6018,
81.0985

37.6763, 72.3590,
18.7375

86.4808, 95.8429,
96.7315

■ 36.5421, 71.8437, 95.0500, 100.0000,
15.5484 108.9000

■ 36.3118, 71.7407,
14.8259

Harmonies

Analogous

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



62.1630, 79.1395, 27.7589



51.9232, 79.1395, 44.8866



47.8893, 79.1395, 80.1298

Triad

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



51.9232, 79.1395, 44.8866



73.0802, 79.1395, 211.6893



107.3270, 79.1395, 52.1873

Complementary

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



51.9232, 79.1395, 44.8866



64.4694, 44.4144, 81.5177

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.



111.3616, 79.1395, 92.5052



51.9232, 79.1395, 44.8866



89.9876, 79.1395, 195.7138

Square

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



51.9232, 79.1395, 44.8866



58.9259, 79.1395, 185.2178



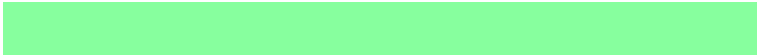
104.6124, 79.1395, 147.1897



94.2702, 79.1395, 30.7688

Rectangle

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



51.9232, 79.1395, 44.8866



48.7550, 79.1395, 113.7515



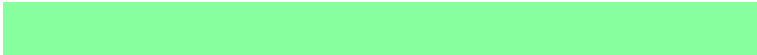
104.6124, 79.1395, 147.1897



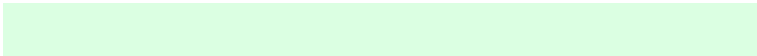
109.8581, 79.1395, 63.4507

Sweetspot

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



51.9237, 79.1397, 44.8879



78.8109, 92.1255, 85.6827



73.7376, 90.5930, 36.5220



16.3906, 19.4870, 17.6436



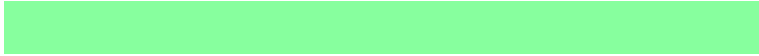
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.9237, 79.1397, 44.8879



47.1697, 76.8587, 36.9950



58.2763, 81.6808, 78.3404



17.9138, 20.2251, 19.8491



19.0140, 37.5022, 7.9588



1.8870, 3.6657, 0.9630

Inverse Universe

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



64.4694, 44.4144, 81.5177



61.0082, 38.4733, 77.3388



57.4471, 41.6055, 44.5385



18.6346, 18.2371, 21.9588



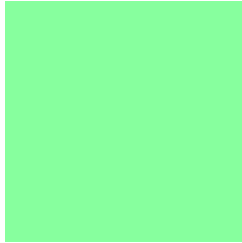
27.4309, 13.4616, 31.9831



2.7074, 1.3253, 3.3067

Previews

White Background



This preview shows how the XYZ color 51.9232, 79.1395, 44.8866 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 51.9232, 79.1395, 44.8866 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 51.9232, 79.1395, 44.8866

Background



This preview shows how black text looks on a background with the XYZ color 51.9232, 79.1395, 44.8866.



This preview shows how white text looks on a background with the XYZ color 51.9232, 79.1395,

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

51.9232, 79.1395, 44.8866

Protanopia

72.3527, 78.2849, 38.9009

Deuteranopia

77.3653, 77.9304, 62.0034



Tritanopia

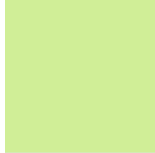
67.0480, 78.3001, 106.1874

Trichromacy



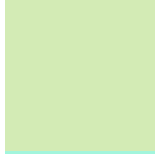
Original Color

51.9232, 79.1395, 44.8866



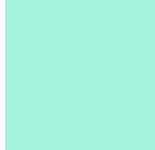
Protanomaly

62.1729, 76.7933, 40.8239



Deuteranomaly

64.9128, 76.6017, 55.0804



Tritanomaly

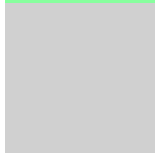
60.4710, 78.1535, 79.6081

Monochromacy



Original Color

51.9232, 79.1395, 44.8866



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2755, 67.3919, 58.8098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9232, 79.1395, 44.8866 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(135, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 158)  
}
```

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(135, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 51.9232, 79.1395, 44.8866 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(135, 255, 158) }
```


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

```
.border{ border-color:rgb(135, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9232, 79.1395, 44.8866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 158) }
```

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

```
.background{ background-color: rgb(135,  
255, 158) }
```

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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