

Converting Colors

XYZ(52.7584, 79.4715, 49.3768)

Have a look what the booklet for
XYZ(52.7584, 79.4715, 49.3768)
contains.

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Color

**XYZ(52.8196, 79.4980,
49.6066)**

Conversions

Conversions Part 1

Format	Color
Hex	87FFA8
RGB	135, 255, 168
RGB Percent	53%, 100%, 66%
CMY	0.4706, 0.0000, 0.3412
CMYK	0.47, 0.00, 0.34, 0.00
HSL	137°, 100%, 76%
HSV	137°, 47%, 100%
XYZ	52.8196, 79.4980, 49.6066
YIQ	209.2020, -43.5930, -52.4970

Conversions

Conversions Part 2

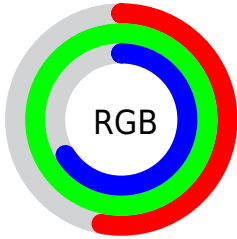
Format	Color
RYB	135, 229, 255
Decimal	8912808
CIELab	91.46, -52.11, 31.38
CIElCh	91, 60.829, 148.944
Yxy	79.4980, 0.2903, 0.4370
Android (android.graphics.Color)	4287102888 (0xFF87FFA8)
YUV	209.2020, -20.3126, -65.0752
Hunter-Lab	89.1617, -50.2890, 29.4262

Details

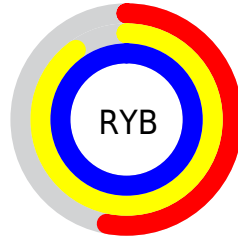
The XYZ color **52.8196, 79.4980, 49.6066** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.0891, 43.8625, 74.2481**, and the grayscale version is **60.8850, 64.0558, 69.7568**.

A 20% lighter version of the original color is **71.4627, 88.3712, 83.8119**, and **25.9624, 42.6662, 23.0867** is the 20% darker color. If you saturate the color by 10%, you get **47.5947, 76.9896, 41.0020**, and if you desaturate by 10%, it is **59.2730, 82.6115, 59.5496**.

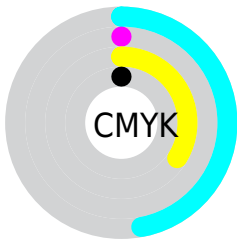
Distribution



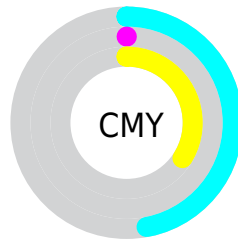
- Red (53%)
- Green (100%)
- Blue (66%)



- Red (53%)
- Yellow (90%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8196, 79.4980, 49.6066 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 52.8196, 79.4980, 49.6066 by changing the saturation by 10% instead.


 52.8196, 79.4980,
49.6066


 52.8196, 79.4980,
49.6066


387.8648,
493.2394, 401.8164


 37.8857, 59.3053,
34.7319


 93.5060, 132.6597,
90.9820

 26.0708, 42.8590,
23.1745


 119.9891,
166.3976, 118.3198

 17.0096, 29.7745,
14.5159


 151.0527,
205.4193, 150.6491

 10.3367, 19.6675,
8.3375

187.0621,
250.1092, 188.3884

 5.6867, 12.1536,
4.2208

228.3826,
300.8518, 231.9563

 2.6944, 6.8483,
1.7473

275.3797,

 0.9943, 3.3674,

358.0315, 281.7712

0.3928

328.4186,
422.0325, 338.2517

■ 0.0000, 1.3264,
0.0000

■ 0.0000, 0.1615,
0.0000

■ 52.8196, 79.4980,
49.6066

■ 52.8196, 79.4980,
49.6066

■ 47.5947, 76.9896,
41.0020

■ 59.2730, 82.6115,
59.5496

■ 43.5150, 75.0444,
33.6743

■ 67.0270, 86.3661,
70.8808

■ 40.4891, 73.6166,
27.5630

■ 76.1501, 90.7960,
83.6527

■ 38.4101, 72.6525,
22.6012

■ 86.7056, 95.9328,
97.9135

■ 37.1434, 72.0842,
18.7147

95.0500, 100.0000,
108.9000

■ 36.8695, 71.9638,
17.7626

Harmonies

Analogous

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



62.0496, 79.4980, 31.3345



52.8196, 79.4980, 49.6066



49.5333, 79.4980, 84.9983

Triad

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



52.8196, 79.4980, 49.6066



75.0133, 79.4980, 202.8462



104.7199, 79.4980, 51.5077

Complementary

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



52.8196, 79.4980, 49.6066



63.0891, 43.8625, 74.2481

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.



109.4040, 79.4980, 88.1403



52.8196, 79.4980, 49.6066



90.9026, 79.4980, 184.6559

Square

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



52.8196, 79.4980, 49.6066



61.2202, 79.4980, 182.0648



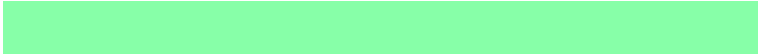
104.0395, 79.4980, 138.4114



91.9816, 79.4980, 32.1392

Rectangle

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



52.8196, 79.4980, 49.6066



50.7562, 79.4980, 117.2933



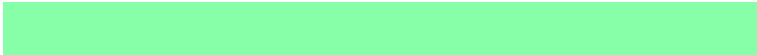
104.0395, 79.4980, 138.4114



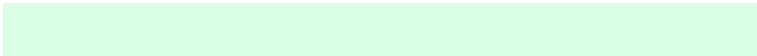
107.3596, 79.4980, 61.7267

Sweetspot

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



52.8202, 79.4983, 49.6079



79.2231, 92.2904, 87.8533



70.5650, 88.9574, 36.3739



16.4899, 19.5268, 18.1667



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.



52.8202, 79.4983, 49.6079



48.0918, 77.2276, 41.8509



59.6173, 82.2172, 85.4008



17.9768, 20.2502, 20.1807



19.3187, 37.6241, 9.5635



1.9247, 3.6808, 1.1614

Inverse Universe

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



63.0891, 43.8625, 74.2481



59.4159, 37.8364, 68.9537



56.5153, 41.2330, 39.6312



18.5670, 18.2101, 21.6030



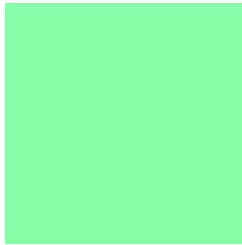
26.1838, 12.9628, 25.4160



2.5956, 1.2806, 2.7178

Previews

White Background



This preview shows how the XYZ color 52.8196, 79.4980, 49.6066 looks on a white background.

Color Contrast Check

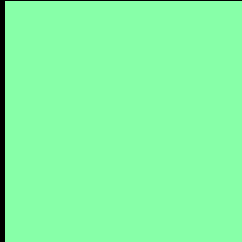
Large Text (above 18pt) WCAG AA × Fail

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 52.8196, 79.4980, 49.6066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

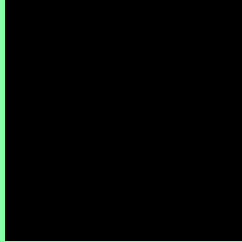
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8196, 79.4980, 49.6066

Background



This preview shows how black text looks on a background with the XYZ color 52.8196, 79.4980, 49.6066.

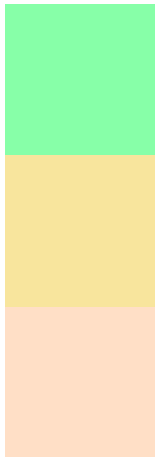


This preview shows how white text looks on a background with the XYZ color 52.8196, 79.4980,

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

52.8196, 79.4980, 49.6066

Protanopia

72.8165, 78.4294, 43.1988

Deuteranopia

77.8207, 78.1126, 64.4017



Tritanopia

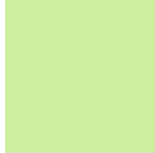
67.5702, 79.0052, 106.2959

Trichromacy



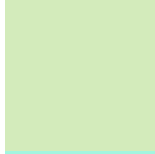
Original Color

52.8196, 79.4980, 49.6066



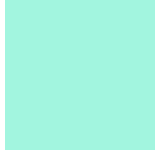
Protanomaly

62.7397, 76.9877, 45.2716



Deuteranomaly

65.5419, 76.8534, 58.3935



Tritanomaly

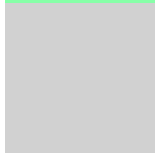
60.8720, 78.3139, 81.7198

Monochromacy



Original Color

52.8196, 79.4980, 49.6066



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.2254, 68.2328, 61.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8196, 79.4980, 49.6066 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 52.8196, 79.4980, 49.6066 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, 168) }
```


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

```
.border{ border-color:rgb(135, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8196, 79.4980, 49.6066 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, 168) }
```

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

```
.background{ background-color: rgb(135,  
255, 168) }
```

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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