

Converting Colors

XYZ(52.2063, 79.5665, 31.9896)

Have a look what the booklet for
XYZ(52.2063, 79.5665, 31.9896)
contains.

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Color

**XYZ(52.2242, 79.5800,
32.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	97FF7D
RGB	151, 255, 125
RGB Percent	59%, 100%, 49%
CMY	0.4078, 0.0000, 0.5098
CMYK	0.41, 0.00, 0.51, 0.00
HSL	108°, 100%, 75%
HSV	108°, 51%, 100%
XYZ	52.2242, 79.5800, 32.0100
YIQ	209.0840, -20.2540, -62.4780

Conversions

Conversions Part 2

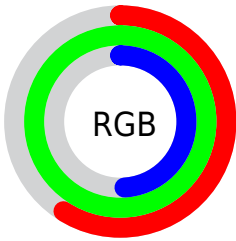
Format	Color
RYB	125, 255, 229
Decimal	9961341
CIELab	91.50, -53.82, 52.35
CIElCh	91, 75.082, 135.792
Yxy	79.5800, 0.3188, 0.4858
Android (android.graphics.Color)	4288151421 (0xFF97FF7D)
YUV	209.0840, -41.4534, -50.9397
Hunter-Lab	89.2076, -51.6153, 41.1706

Details

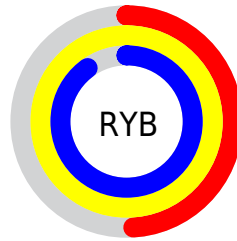
The XYZ color **52.2242, 79.5800, 32.0100** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **57.6981, 38.5466, 99.0070**, and the grayscale version is **60.9306, 64.1037, 69.8089**.

A 20% lighter version of the original color is **70.5766, 88.5169, 56.5457**, and **25.6502, 42.7275, 13.0262** is the 20% darker color. If you saturate the color by 10%, you get **47.3346, 77.2239, 24.3419**, and if you desaturate by 10%, it is **58.1878, 82.4413, 41.9132**.

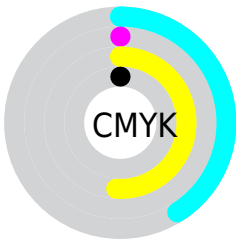
Distribution



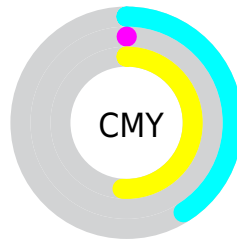
- Red (59%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2242, 79.5800, 32.0100 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 52.2242, 79.5800, 32.0100 by changing the saturation by 10% instead.


 52.2242, 79.5800,
32.0100


 52.2242, 79.5800,
32.0100


385.6113,
493.5163, 325.6589


 37.4088, 59.3728,
21.1043


 92.6341, 132.7751,
63.9249

 25.6993, 42.9133,
13.0082


 118.9593,
166.5317, 85.7710

 16.7303, 29.8171,
7.3034


 149.8518,
205.5737, 112.1011

 10.1365, 19.6998,
3.5713

185.6769,
250.2853, 143.3337

 5.5525, 12.1770,
1.3932

226.8001,
301.0509, 179.8872

 2.6130, 6.8643,
0.1364


273.5866,


 0.9526, 3.3774,


358.2551, 222.1802


0.0000


326.4019,
422.2820, 270.6313


 0.0000, 1.3318,
0.0000

 0.0000, 0.1656,
0.0000


 52.2242, 79.5800,
32.0100

 52.2242, 79.5800,
32.0100


 47.3346, 77.2239,
24.3419


 58.1878, 82.4413,
41.9132


 43.4514, 75.3423,
18.7316

 65.2848, 85.8353,
54.2031

 40.5009, 73.9012,
14.9808

 73.5716, 89.7879,
69.0226

 38.3973, 72.8617,
12.8508

 83.1002, 94.3230,
86.5019

■ 37.1250, 72.2237,
11.9839

93.9197, 99.4634,
106.7627

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.



66.0665, 79.5800, 19.6853



52.2242, 79.5800, 32.0100



45.2993, 79.5800, 63.2867

Triad

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



52.2242, 79.5800, 32.0100



66.9675, 79.5800, 234.0732



116.8245, 79.5800, 61.0341

Complementary

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



52.2242, 79.5800, 32.0100



57.6981, 38.5466, 99.0070

Split Complementary

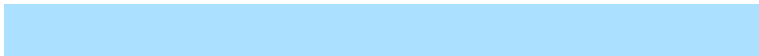
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.1763, 79.5800, 115.1516



52.2242, 79.5800, 32.0100



86.0928, 79.5800, 232.6152

Square

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



52.2242, 79.5800, 32.0100



52.7875, 79.5800, 186.1755



105.1756, 79.5800, 182.7700



104.2830, 79.5800, 30.9622

Rectangle

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



52.2242, 79.5800, 32.0100



44.6368, 79.5800, 97.7162



105.1756, 79.5800, 182.7700



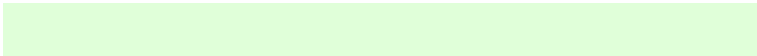
118.4354, 79.5800, 76.4508

Sweetspot

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



52.2245, 79.5801, 32.0112



79.1163, 92.4279, 79.1458



72.9614, 78.7798, 30.7638



16.5047, 19.5790, 16.1529



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.



52.2245, 79.5801, 32.0112



47.3254, 77.2195, 24.3280



50.9190, 78.5607, 47.6032



18.1107, 20.3430, 19.1164



19.4938, 37.7875, 6.2663



1.9816, 3.7223, 0.6140

Inverse Universe

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



57.6981, 38.5466, 99.0070



53.2618, 32.0593, 97.9886



60.9689, 40.8861, 69.6449



18.4159, 18.1061, 22.7742



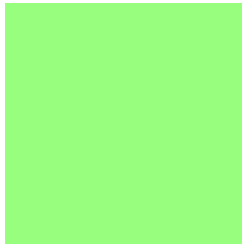
22.5690, 10.5452, 50.2805



2.2836, 1.0712, 4.8997

Previews

White Background



This preview shows how the XYZ color 52.2242, 79.5800, 32.0100 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 52.2242, 79.5800, 32.0100 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

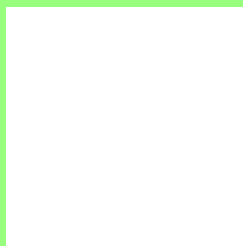
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2242, 79.5800, 32.0100

Background



This preview shows how black text looks on a background with the XYZ color 52.2242, 79.5800, 32.0100.

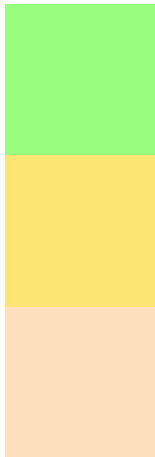


This preview shows how white text looks on a background with the XYZ color 52.2242, 79.5800,

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

52.2242, 79.5800, 32.0100

Protanopia

71.6797, 78.1822, 27.8357

Deuteranopia

77.1899, 78.2890, 59.7581



Tritanopia

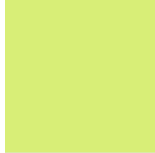
68.9241, 79.2673, 106.2752

Trichromacy



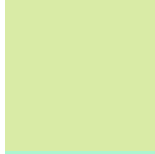
Original Color

52.2242, 79.5800, 32.0100



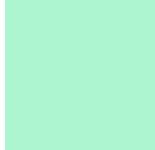
Protanomaly

62.2232, 77.0799, 29.0512



Deuteranomaly

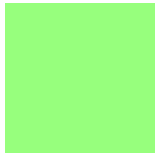
65.2065, 76.9215, 47.4870



Tritanomaly

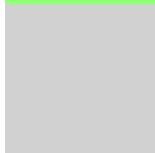
61.2712, 78.7431, 71.6441

Monochromacy



Original Color

52.2242, 79.5800, 32.0100



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

55.9713, 68.2984, 52.3524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2242, 79.5800, 32.0100 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(151, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 125)  
}
```

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(151, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 52.2242, 79.5800, 32.0100 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(151, 255, 125) }
```


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

```
.border{ border-color:rgb(151, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2242, 79.5800, 32.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 125) }
```

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

```
.background{ background-color: rgb(151,  
255, 125) }
```

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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