

Converting Colors

XYZ(51.8400, 79.2063, 39.9277)

Have a look what the booklet for
XYZ(51.8400, 79.2063, 39.9277)
contains.

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Color

**XYZ(51.7635, 79.1708,
39.7474)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFF92
RGB	140, 255, 146
RGB Percent	55%, 100%, 57%
CMY	0.4510, 0.0000, 0.4274
CMYK	0.45, 0.00, 0.43, 0.00
HSL	123°, 100%, 77%
HSV	123°, 45%, 100%
XYZ	51.7635, 79.1708, 39.7474
YIQ	208.1890, -33.5510, -58.2790

Conversions

Conversions Part 2

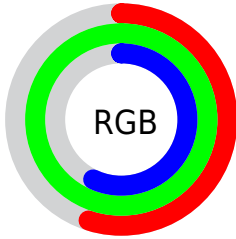
Format	Color
RYB	140, 249, 255
Decimal	9240466
CIELab	91.31, -54.23, 42.08
CIELCh	91, 68.644, 142.190
Yxy	79.1708, 0.3033, 0.4639
Android (android.graphics.Color)	4287430546 (0xFF8CFF92)
YUV	208.1890, -30.6592, -59.8018
Hunter-Lab	88.9780, -51.8680, 35.7991

Details

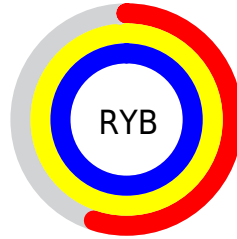
The XYZ color **51.7635, 79.1708, 39.7474** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.7167, 46.8558, 95.0957**, and the grayscale version is **60.2849, 63.4244, 69.0692**.

A 20% lighter version of the original color is **69.8558, 87.8792, 68.5389**, and **25.3354, 42.4721, 17.2186** is the 20% darker color. If you saturate the color by 10%, you get **46.2673, 76.5321, 30.6921**, and if you desaturate by 10%, it is **58.6534, 82.4819, 50.9449**.

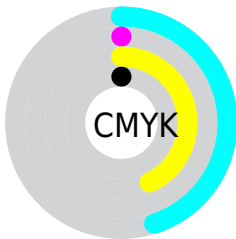
Distribution



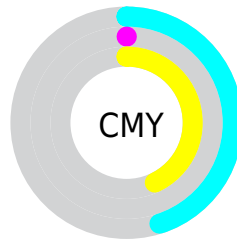
- Red (55%)
- Green (100%)
- Blue (57%)



- Red (55%)
- Yellow (98%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7635, 79.1708, 39.7474 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 51.7635, 79.1708, 39.7474 by changing the saturation by 10% instead.

 51.7635, 79.1708,
39.7474


 51.7635, 79.1708,
39.7474


383.8619,
492.1340, 360.5781

 37.0401, 59.0362,
27.0294


 91.9587, 132.1993,
76.0116

 25.4124, 42.6423,
17.3626


 118.1611,
165.8620, 100.3948

 16.5149, 29.6046,
10.3287


148.9207,
204.8029, 129.5035

 9.9824, 19.5386,
5.5090

184.6026,
249.4064, 163.7562

 5.4495, 12.0601,
2.4850

225.5724,
300.0568, 203.5715

 2.5508, 6.7846,
0.8322

272.1953,

 0.9209, 3.3278,

357.1387, 249.3679

0.0000

324.8366,
421.0362, 301.5639

0.0000, 1.3052,
0.0000

0.0000, 0.1452,
0.0000

51.7635, 79.1708,
39.7474

51.7635, 79.1708,
39.7474

46.2673, 76.5321,
30.6921

58.6534, 82.4819,
50.9449

42.0687, 74.5194,
23.6389

67.0220, 86.5069,
64.4051

39.0611, 73.0810,
18.4372

76.9489, 91.2840,
80.2442

37.1207, 72.1566,
14.9132

88.5075, 96.8491,
98.5692

■ 36.0959, 71.6727, 95.0500, 100.0000,
12.8604 108.9000

■ 35.8347, 71.5499,
12.3131

Harmonies

Analogous

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



63.2927, 79.1708, 24.3874



51.7635, 79.1708, 39.7474



46.6992, 79.1708, 73.8110

Triad

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



51.7635, 79.1708, 39.7474



70.7879, 79.1708, 220.4810



110.7281, 79.1708, 54.8074

Complementary

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



51.7635, 79.1708, 39.7474



67.7167, 46.8558, 95.0957

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.



113.5597, 79.1708, 99.9109



51.7635, 79.1708, 39.7474



88.6246, 79.1708, 209.0592

Square

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



51.7635, 79.1708, 39.7474



56.5230, 79.1708, 186.3952



104.9419, 79.1708, 159.4168



97.7131, 79.1708, 30.4491

Rectangle

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



51.7635, 79.1708, 39.7474



47.0234, 79.1708, 108.0908



104.9419, 79.1708, 159.4168



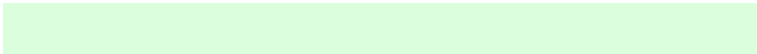
112.9759, 79.1708, 67.4903

Sweetspot

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



51.7639, 79.1709, 39.7486



78.1367, 91.8558, 82.1325



79.6498, 93.5992, 38.6797



16.2287, 19.4223, 16.7914



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.



51.7639, 79.1709, 39.7486



46.8055, 76.7903, 31.5858



57.3847, 81.4193, 69.3475



17.8100, 20.1835, 19.3024



18.7401, 37.3926, 6.5164



1.8376, 3.6459, 0.7024

Inverse Universe

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



67.7167, 46.8558, 95.0957



64.5506, 40.8183, 93.1314



60.1050, 43.8111, 55.0128



18.7493, 18.2830, 22.5630



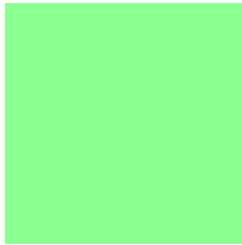
29.9168, 14.4560, 45.0739



2.9250, 1.4124, 4.4522

Previews

White Background



This preview shows how the XYZ color 51.7635, 79.1708, 39.7474 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 51.7635, 79.1708, 39.7474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

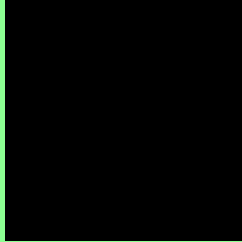
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7635, 79.1708, 39.7474

Background



This preview shows how black text looks on a background with the XYZ color 51.7635, 79.1708, 39.7474.



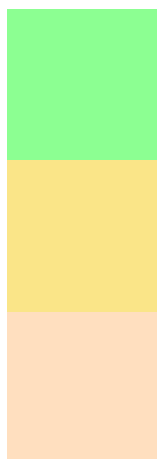
This preview shows how white text looks on a background with the XYZ color 51.7635, 79.1708,

39.7474.

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

51.7635, 79.1708, 39.7474

Protanopia

71.8876, 78.1402, 34.5862

Deuteranopia

77.0316, 77.7969, 60.2465



Tritanopia

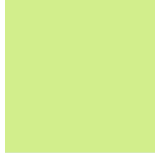
67.5069, 78.5367, 106.2089

Trichromacy



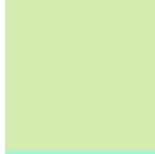
Original Color

51.7635, 79.1708, 39.7474



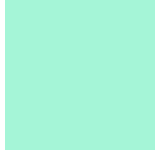
Protanomaly

61.8865, 76.7442, 36.3623



Deuteranomaly

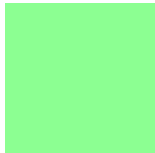
64.8868, 76.6579, 51.9340



Tritanomaly

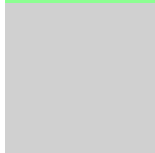
60.4352, 78.2104, 76.2008

Monochromacy



Original Color

51.7635, 79.1708, 39.7474



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2106, 67.4205, 56.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7635, 79.1708, 39.7474 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(140, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 146)  
}
```

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(140, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 51.7635, 79.1708, 39.7474 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(140, 255, 146) }
```


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

```
.border{ border-color:rgb(140, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7635, 79.1708, 39.7474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 146) }
```

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

```
.background{ background-color: rgb(140,  
255, 146) }
```

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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