

Converting Colors

XYZ(52.8705, 79.7417, 39.7889)

Have a look what the booklet for
XYZ(52.8705, 79.7417, 39.7889)
contains.

XYZ(52.8024, 79.7063, 39.7960)	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(52.8024, 79.7063,
39.7960)**

Conversions

Conversions Part 1

Format	Color
Hex	92FF92
RGB	146, 255, 146
RGB Percent	57%, 100%, 57%
CMY	0.4274, 0.0000, 0.4274
CMYK	0.43, 0.00, 0.43, 0.00
HSL	120°, 100%, 79%
HSV	120°, 43%, 100%
XYZ	52.8024, 79.7063, 39.7960
YIQ	209.9830, -29.9750, -57.0070

Conversions

Conversions Part 2

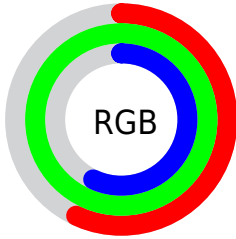
Format	Color
RYB	146, 255, 255
Decimal	9633682
CIELab	91.55, -52.56, 42.44
CIElCh	92, 67.554, 141.080
Yxy	79.7063, 0.3064, 0.4626
Android (android.graphics.Color)	4287823762 (0xFF92FF92)
YUV	209.9830, -31.5436, -56.1131
Hunter-Lab	89.2784, -50.6659, 36.0662

Details

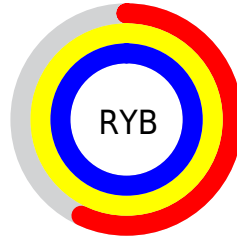
The XYZ color **52.8024, 79.7063, 39.7960** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.5688, 49.0381, 100.4049**, and the grayscale version is **61.4619, 64.6627, 70.4177**.

A 20% lighter version of the original color is **71.2045, 88.5744, 68.6020**, and **25.9665, 42.7975, 17.2481** is the 20% darker color. If you saturate the color by 10%, you get **46.9963, 76.9173, 30.2995**, and if you desaturate by 10%, it is **60.0627, 83.1938, 51.6721**.

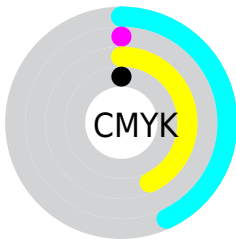
Distribution



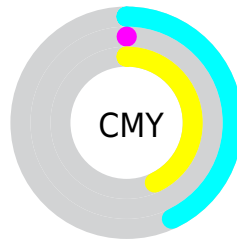
- Red (57%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8024, 79.7063, 39.7960 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 52.8024, 79.7063, 39.7960 by changing the saturation by 10% instead.

 52.8024, 79.7063,
39.7960

 52.8024, 79.7063,
39.7960


387.7998,
493.9425, 360.7895

 37.8719, 59.4767,
27.0669


 93.4808, 132.9527,
76.0865

 26.0600, 42.9970,
17.3906


 119.9594,
166.7383, 100.4849

 17.0015, 29.8827,
10.3485


151.0180,
205.8114, 129.6103

 10.3309, 19.7496,
5.5220

187.0221,
250.5563, 163.8811

 5.6828, 12.2132,
2.4926

228.3370,
301.3575, 203.7159

 2.6920, 6.8890,
0.8363

275.3280,

 0.9931, 3.3928,

358.5993, 249.5332

0.0000

328.3605,
422.6662, 301.7515

0.0000, 1.3401,
0.0000

0.0000, 0.1719,
0.0000

52.8024, 79.7063,
39.7960

52.8024, 79.7063,
39.7960

46.9963, 76.9173,
30.2995

60.0627, 83.1938,
51.6721

42.5452, 74.7793,
23.0189

68.8646, 87.4218,
66.0692

39.3399, 73.2396,
17.7759

79.2902, 92.4298,
83.1221

37.2535, 72.2374,
14.3631

91.4154, 98.2541,
102.9549

■ 36.1323, 71.6988, 95.0500, 100.0000,
12.5291 108.9000

■ 35.7600, 71.5200,
11.9201

Harmonies

Analogous

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



64.4602, 79.7063, 24.9597



52.8024, 79.7063, 39.7960



47.5244, 79.7063, 72.8944

Triad

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



52.8024, 79.7063, 39.7960



70.7382, 79.7063, 218.2568



111.0530, 79.7063, 56.9472

Complementary

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



52.8024, 79.7063, 39.7960



69.5688, 49.0381, 100.4049

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.



113.4125, 79.7063, 102.3405



52.8024, 79.7063, 39.7960



88.3053, 79.7063, 208.7810

Square

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



52.8024, 79.7063, 39.7960



56.7987, 79.7063, 183.4730



104.5571, 79.7063, 161.0527



98.5277, 79.7063, 31.9318

Rectangle

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



52.8024, 79.7063, 39.7960



47.6834, 79.7063, 106.3200



104.5571, 79.7063, 161.0527



113.1291, 79.7063, 69.8054

Sweetspot

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



52.8028, 79.7065, 39.7973



79.0031, 92.2918, 82.6524



82.1884, 94.8554, 41.1718



16.3887, 19.5039, 16.8385



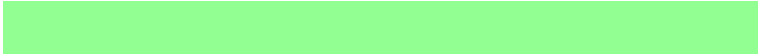
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.8028, 79.7065, 39.7973



47.9088, 77.3557, 31.7921



58.0982, 81.8247, 67.6825



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



69.5688, 49.0381, 100.4049



66.6170, 43.1344, 99.4207



62.0030, 46.0118, 60.5641



18.7927, 18.3004, 22.7917



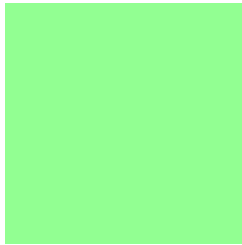
30.9800, 14.8813, 50.6724



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 52.8024, 79.7063, 39.7960 looks on a white background.

Color Contrast Check

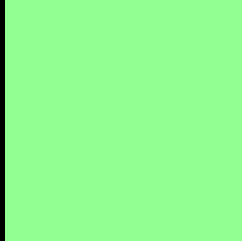
Large Text (above 18pt) WCAG AA × Fail

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 52.8024, 79.7063, 39.7960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

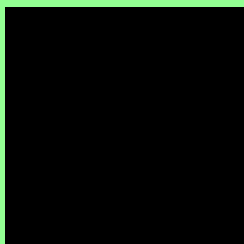
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8024, 79.7063, 39.7960

Background



This preview shows how black text looks on a background with the XYZ color 52.8024, 79.7063, 39.7960.



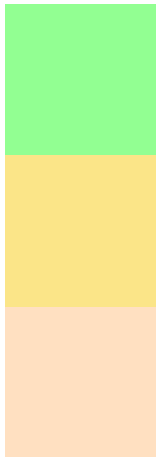
This preview shows how white text looks on a background with the XYZ color 52.8024, 79.7063,

39.7960.

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

52.8024, 79.7063, 39.7960

Protanopia

72.2469, 78.3254, 34.6031

Deuteranopia

77.5213, 78.4216, 61.5031



Tritanopia

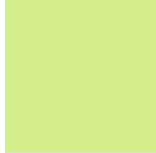
68.4449, 79.0203, 106.2527

Trichromacy



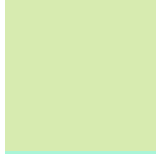
Original Color

52.8024, 79.7063, 39.7960



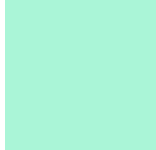
Protanomaly

62.7487, 77.1887, 36.4026



Deuteranomaly

65.5691, 76.9983, 52.4806



Tritanomaly

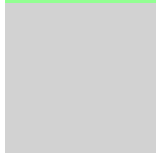
61.4957, 78.7572, 76.2505

Monochromacy



Original Color

52.8024, 79.7063, 39.7960



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.6595, 68.5454, 57.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8024, 79.7063, 39.7960 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(146, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 255, 146) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 52.8024, 79.7063, 39.7960 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(146, 255, 146) }
```


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

```
.border{ border-color:rgb(146, 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(146, 255, 146)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 52.8024, 79.7063, 39.7960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(146,  
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](#).

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