

# Converting Colors

XYZ(55.9022, 79.8246, 64.3954)

Have a look what the booklet for  
XYZ(55.9022, 79.8246, 64.3954)  
contains.

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# Color

**XYZ(55.9043, 79.8115,  
64.6833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8CFDC4
RGB	140, 253, 196
RGB Percent	55%, 99%, 77%
CMY	0.4510, 0.0078, 0.2314
CMYK	0.45, 0.00, 0.23, 0.01
HSL	150°, 97%, 77%
HSV	150°, 45%, 99%
XYZ	55.9043, 79.8115, 64.6833
YIQ	212.7150, -49.0510, -41.6830

# Conversions

## Conversions Part 2

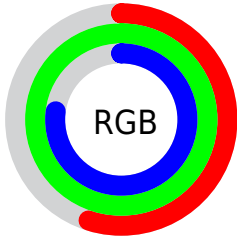
Format	Color
<a href="#">RYB</a>	<a href="#">140, 216, 253</a>
Decimal	<a href="#">9240004</a>
CIELab	<a href="#">91.60, -44.87, 17.39</a>
CIELCh	<a href="#">92, 48.119, 158.815</a>
Yxy	<a href="#">79.8115, 0.2790, 0.3983</a>
Android (android.graphics.Color)	<a href="#">4287430084 (0xFF8CFDC4)</a>
YUV	<a href="#">212.7150, -8.2405, -63.7711</a>
Hunter-Lab	<a href="#">89.3373, -44.6409, 19.6081</a>

# Details

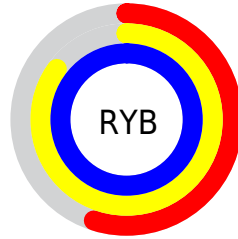
The XYZ color **55.9043, 79.8115, 64.6833** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.9668, 43.6719, 58.0952**, and the grayscale version is **63.1340, 66.4218, 72.3334**.

A 20% lighter version of the original color is **76.7783, 90.6176, 106.3728**, and **28.1021, 43.2267, 32.4536** is the 20% darker color. If you saturate the color by 10%, you get **50.7301, 77.3070, 57.1787**, and if you desaturate by 10%, it is **62.1864, 82.8771, 72.8883**.

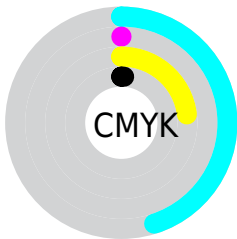
# Distribution



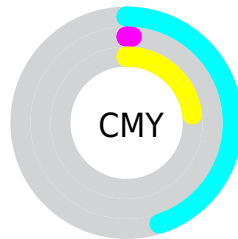
- Red (55%)
- Green (99%)
- Blue (77%)



- Red (55%)
- Yellow (85%)
- Blue (99%)



- Cyan (45%)
- Magenta (0%)
- Yellow (23%)
- Black (1%)




- Cyan (45%)
- Magenta (1%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9043, 79.8115, 64.6833 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 55.9043, 79.8115, 64.6833 by changing the saturation by 10% instead.




 55.9043, 79.8115,  
64.6833


 55.9043, 79.8115,  
64.6833


399.4116,  
494.2974, 459.9280

 40.3629, 59.5632,  
46.7546


 98.0053, 133.1007,  
113.2033

 28.0071, 43.0667,  
32.4888


 125.2955,  
166.9104, 144.6318

 18.4715, 29.9375,  
21.4672


157.2328,  
206.0094, 181.3972

 11.3907, 19.7911,  
13.2714

194.1824,  
250.7821, 223.9181

 6.3995, 12.2433,  
7.4828

236.5098,  
301.6128, 272.6131

 3.1325, 6.9096,  
3.6828


284.5802,


 1.2242, 3.4056,


358.8860, 327.9008


1.4530


338.7590,  
422.9860, 390.1996


 0.1253, 1.3470,  
0.1825


 0.0000, 0.1772,  
0.0000


 55.9043, 79.8115,  
64.6833


 55.9043, 79.8115,  
64.6833


 50.7301, 77.3070,  
57.1787


 62.1864, 82.8771,  
72.8883


 46.5862, 75.3176,  
50.3498

 69.6345, 86.5271,  
81.8067

 43.3947, 73.8056,  
44.1780

 78.3102, 90.7949,  
91.4581

 41.0631, 72.7238,  
38.6417

 88.2687, 95.7088,  
101.8593

■ 39.4780, 72.0140,  
33.7174

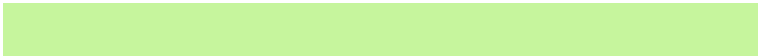
94.4167, 98.7334,  
108.6889

■ 38.8527, 71.7438,  
31.3297

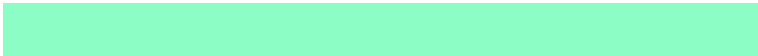
# Harmonies

## Analogous

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



62.0006, 79.8115, 44.1441



55.9043, 79.8115, 64.6833



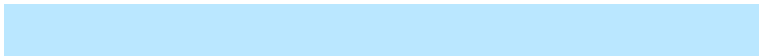
54.8368, 79.8115, 97.6804

# Triad

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



55.9043, 79.8115, 64.6833



79.5344, 79.8115, 172.3126



95.7828, 79.8115, 51.0341

# Complementary

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



55.9043, 79.8115, 64.6833



59.9668, 43.6719, 58.0952

# 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.



101.6643, 79.8115, 76.9456



55.9043, 79.8115, 64.6833



91.6411, 79.8115, 150.9545

# Square

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



55.9043, 79.8115, 64.6833



67.6417, 79.8115, 166.4284



100.0720, 79.8115, 113.7002



84.7150, 79.8115, 37.8704



# Rectangle

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



55.9043, 79.8115, 64.6833



56.9946, 79.8115, 123.7365



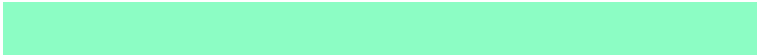
100.0720, 79.8115, 113.7002



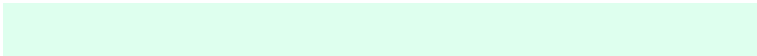
98.4834, 79.8115, 58.2145

# Sweetspot

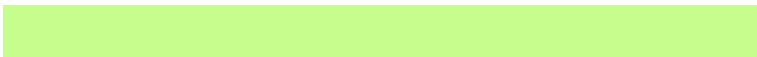
The Sweet Spot groups the original color and five complimentary colors.



55.9064, 79.8148, 64.6851



81.3118, 93.2153, 94.8099



63.2514, 84.2054, 37.7315



16.9528, 19.7295, 19.8089



0.0000, 0.0000, 0.0000

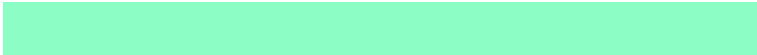


20.3446, 21.4041, 23.3091



# Same Dimension

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



55.9064, 79.8148, 64.6851



51.9505, 78.8483, 58.6791



63.3741, 82.8018, 104.0092



18.1469, 20.3183, 21.0765



20.7408, 38.1929, 17.0521



2.0745, 3.7407, 1.9503



# Inverse Universe

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



59.9668, 43.6719, 58.0952



56.5804, 37.6302, 51.1609



54.7621, 41.5900, 30.6877



18.3917, 18.1400, 20.6796



23.6820, 11.9621, 12.2417

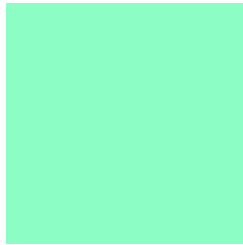


2.3610, 1.1868, 1.4824



# Previews

## White Background



This preview shows how the XYZ color 55.9043, 79.8115, 64.6833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

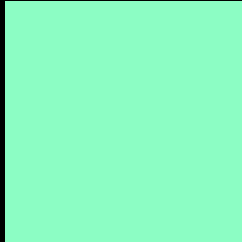
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9043, 79.8115, 64.6833 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 55.9043, 79.8115, 64.6833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9043, 79.8115, 64.6833.



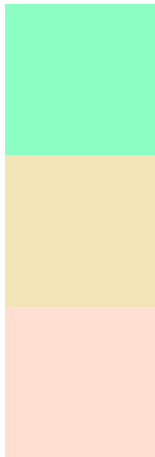
This preview shows how white text looks on a background with the XYZ color 55.9043, 79.8115,

64.6833.

# 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**

55.9043, 79.8115, 64.6833

**Protanopia**

73.9793, 78.7324, 56.6451

**Deuteranopia**

79.1363, 78.6388, 71.3295



## Tritanopia

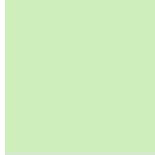
68.0325, 79.2435, 106.3176

# Trichromacy



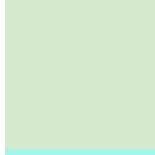
## Original Color

55.9043, 79.8115, 64.6833



## Protanomaly

65.1052, 77.9017, 59.1821



## Deuteranomaly

67.7625, 77.3514, 68.4856



## Tritanomaly

63.0207, 79.2447, 89.8161

# Monochromacy



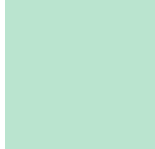
## Original Color

55.9043, 79.8115, 64.6833



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

59.2556, 70.4309, 69.5029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9043, 79.8115, 64.6833 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, 253, 196)` looks like.

```
.text, #text, p{  
    color:rgb(140, 253, 196)  
}
```

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, 253, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 253, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9043, 79.8115, 64.6833 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, 253, 196) }
```



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

```
.border{ border-color:rgb(140, 253, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 253, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 253, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 253, 196);  
box-shadow:4px 4px 4px 4px rgb(140, 253,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9043, 79.8115, 64.6833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 253, 196) }
```

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

```
.background{ background-color: rgb(140,  
253, 196) }
```

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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