

Converting Colors

XYZ(66.0184, 89.4676, 80.2253)

Have a look what the booklet for
XYZ(66.0184, 89.4676, 80.2253)
contains.

XYZ(63.5191, 84.3685, 79.2666)	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(63.5191, 84.3685,
79.2666)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFDA
RGB	163, 255, 218
RGB Percent	64%, 100%, 85%
CMY	0.3608, 0.0000, 0.1451
CMYK	0.36, 0.00, 0.15, 0.00
HSL	156°, 100%, 82%
HSV	156°, 36%, 100%
XYZ	63.5191, 84.3685, 79.2666
YIQ	223.2740, -42.9550, -31.0110

Conversions

Conversions Part 2

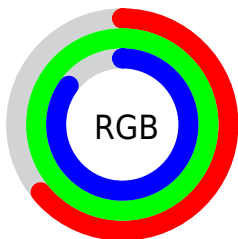
Format	Color
RYB	163, 221, 255
Decimal	10747866
CIELab	93.61, -35.31, 9.07
CIELCh	94, 36.459, 165.602
Yxy	84.3685, 0.2796, 0.3714
Android (android.graphics.Color)	4288937946 (0xFFA3FFDA)
YUV	223.2740, -2.6001, -52.8603
Hunter-Lab	91.8523, -37.3026, 13.1306

Details

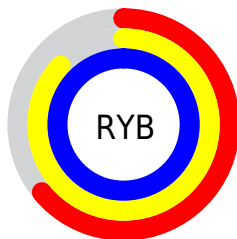
The XYZ color **63.5191, 84.3685, 79.2666** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.7630, 51.6254, 61.1951**, and the grayscale version is **70.3736, 74.0385, 80.6280**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **32.8683, 46.1583, 41.8274** is the 20% darker color. If you saturate the color by 10%, you get **57.5131, 81.4225, 72.1962**, and if you desaturate by 10%, it is **70.6623, 87.8910, 86.8264**.

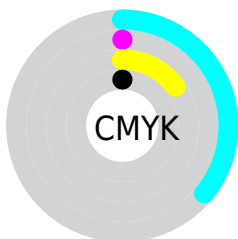
Distribution



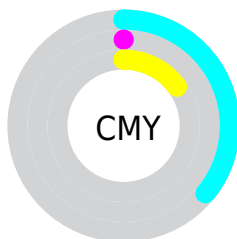
- Red (64%)
- Green (100%)
- Blue (85%)



- Red (64%)
- Yellow (87%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5191, 84.3685, 79.2666 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 63.5191, 84.3685, 79.2666 by changing the saturation by 10% instead.


 63.5191, 84.3685,
79.2666


 63.5191, 84.3685,
79.2666

427.0807,
509.5361, 512.0992

 46.5215, 63.3197,
58.5924


 108.9957,
139.4905, 134.1362

 32.8639, 46.0999,
41.8673


 138.2054,
174.3326, 169.1687

 22.1809, 32.3247,
28.6726


172.2165,
214.5412, 209.8243

 14.1073, 21.6096,
18.5898

211.3944,
260.5007, 256.5217

 8.2775, 13.5703,
11.2005

256.1044,
312.5956, 309.6793

 4.3263, 7.8224,
6.0860

306.7119,

 1.8884, 3.9815,

371.2102, 369.7158

2.8278

363.5822,
436.7289, 437.0496

■ 0.5701, 1.6632,
1.0074

■ 0.0000, 0.3997,
0.0000

■ 63.5191, 84.3685,
79.2666

■ 63.5191, 84.3685,
79.2666

■ 57.5131, 81.4225,
72.1962

■ 70.6623, 87.8910,
86.8264

■ 52.5769, 79.0187,
65.6003

■ 79.0002, 92.0197,
94.8819

■ 48.6392, 77.1204,
59.4688

■ 88.5891, 96.7833,
103.4444

■ 45.6186, 75.6858,
53.7897

95.0500, 100.0000,
108.9000

■ 43.4201, 74.6661,
48.5502

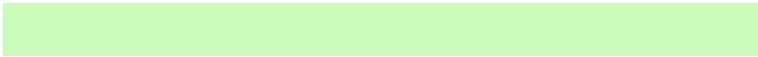
■ 41.9259, 74.0008,
43.7359

■ 41.4643, 73.8017,
41.9585

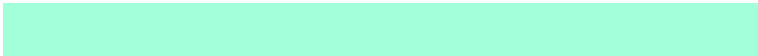
Harmonies

Analogous

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



67.6436, 84.3685, 59.4603



63.5191, 84.3685, 79.2666



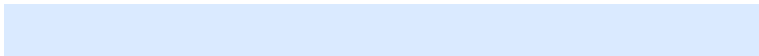
63.6055, 84.3685, 106.9168

Triad

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



63.5191, 84.3685, 79.2666



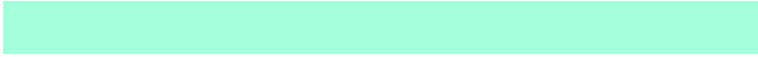
85.2869, 84.3685, 153.1748



93.8919, 84.3685, 58.8714

Complementary

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



63.5191, 84.3685, 79.2666



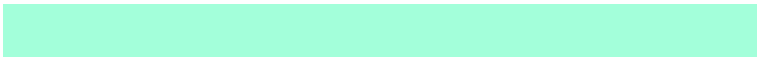
64.7630, 51.6254, 61.1951

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.



99.4318, 84.3685, 78.2930



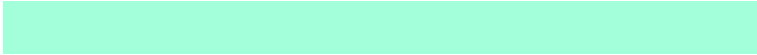
63.5191, 84.3685, 79.2666



94.1985, 84.3685, 134.3071

Square

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



63.5191, 84.3685, 79.2666



75.6616, 84.3685, 153.5816



99.5483, 84.3685, 105.7277



84.8951, 84.3685, 49.3897

Rectangle

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



63.5191, 84.3685, 79.2666



66.0227, 84.3685, 126.4199



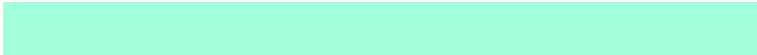
99.5483, 84.3685, 105.7277



96.2509, 84.3685, 64.2581

Sweetspot

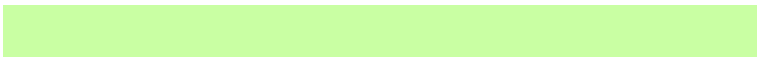
The Sweet Spot groups the original color and five complimentary colors.



63.5199, 84.3688, 79.2680



83.7093, 94.3574, 99.1655



66.5485, 86.6284, 47.8649



17.6412, 20.0593, 20.9779



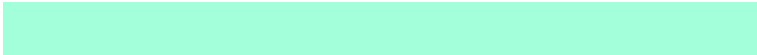
0.0000, 0.0000, 0.0000



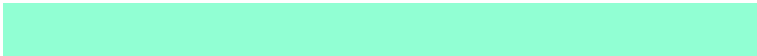
20.3446, 21.4041, 23.3091

Same Dimension

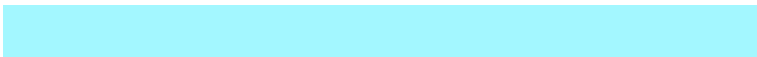
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5199, 84.3688, 79.2680



59.2445, 82.2699, 74.3214



66.5176, 81.7325, 106.8778



18.2275, 20.3505, 21.5009



21.7418, 38.5933, 22.3235



2.1710, 3.7793, 2.4583

Inverse Universe

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



64.7630, 51.6254, 61.1951



60.6529, 45.3115, 53.9482



62.3515, 52.9053, 41.5769



18.3121, 18.1081, 20.2604



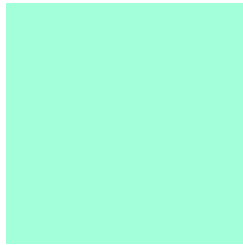
22.8853, 11.6434, 8.0464



2.2806, 1.1546, 1.0589

Previews

White Background



This preview shows how the XYZ color 63.5191, 84.3685, 79.2666 looks on a white background.

Color Contrast Check

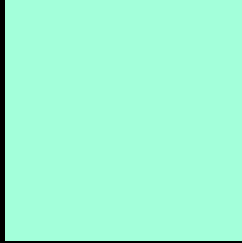
Large Text (above 18pt) WCAG AA × Fail

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 63.5191, 84.3685, 79.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

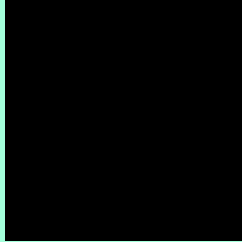
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

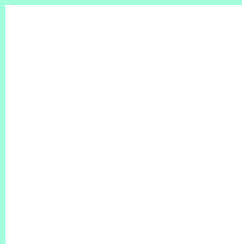
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5191, 84.3685, 79.2666

Background



This preview shows how black text looks on a background with the XYZ color 63.5191, 84.3685, 79.2666.



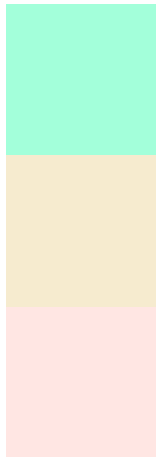
This preview shows how white text looks on a background with the XYZ color 63.5191, 84.3685,

79.2666.

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

63.5191, 84.3685, 79.2666

Protanopia

78.9769, 83.5145, 70.9889

Deuteranopia

83.4019, 83.3997, 84.3750



Tritanopia

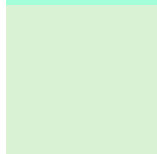
74.7292, 84.0177, 106.8861

Trichromacy



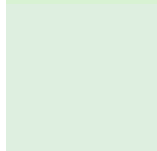
Original Color

63.5191, 84.3685, 79.2666



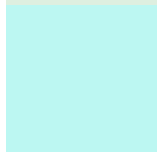
Protanomaly

71.8289, 82.8063, 73.8255



Deuteranomaly

74.4452, 82.6444, 82.5493



Tritanomaly

70.0268, 83.6237, 96.4546

Monochromacy



Original Color

63.5191, 84.3685, 79.2666



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.8469, 77.0546, 79.7564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5191, 84.3685, 79.2666 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(163, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 218)  
}
```

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(163, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.5191, 84.3685, 79.2666 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(163, 255, 218) }
```


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

```
.border{ border-color:rgb(163, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 255, 218); box-shadow:4px 4px 4px 4px rgb(163, 255, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5191, 84.3685, 79.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 218) }
```

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

```
.background{ background-color: rgb(163,  
255, 218) }
```

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