

Converting Colors

XYZ(64.9084, 85.0695, 80.0169)

Have a look what the booklet for
XYZ(64.9084, 85.0695, 80.0169)
contains.

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Color

**XYZ(64.9084, 85.0695,
80.0169)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFDB
RGB	169, 255, 219
RGB Percent	66%, 100%, 86%
CMY	0.3372, 0.0000, 0.1412
CMYK	0.34, 0.00, 0.14, 0.00
HSL	155°, 100%, 83%
HSV	155°, 34%, 100%
XYZ	64.9084, 85.0695, 80.0169
YIQ	225.1820, -39.7000, -29.4280

Conversions

Conversions Part 2

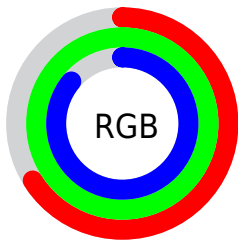
Format	Color
RYB	169, 223, 255
Decimal	11141083
CIELab	93.91, -33.45, 9.02
CIELCh	94, 34.649, 164.908
Yxy	85.0695, 0.2822, 0.3699
Android (android.graphics.Color)	4289331163 (0xFFA9FFDB)
YUV	225.1820, -3.0477, -49.2716
Hunter-Lab	92.2331, -35.7899, 13.1261

Details

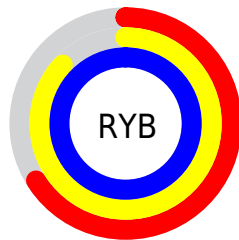
The XYZ color **64.9084, 85.0695, 80.0169** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.4480, 54.0447, 64.6875**, and the grayscale version is **71.7405, 75.4766, 82.1940**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **33.8344, 46.6459, 42.3423** is the 20% darker color. If you saturate the color by 10%, you get **58.6005, 81.9748, 72.6204**, and if you desaturate by 10%, it is **72.3749, 88.7510, 87.9408**.

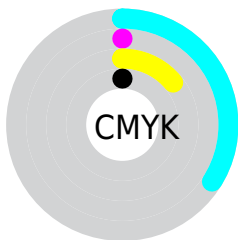
Distribution



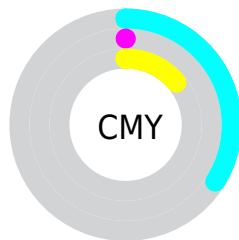
- Red (66%)
- Green (100%)
- Blue (86%)



- Red (66%)
- Yellow (87%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9084, 85.0695, 80.0169 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 64.9084, 85.0695, 80.0169 by changing the saturation by 10% instead.


 64.9084, 85.0695,
80.0169

 64.9084, 85.0695,
80.0169


432.0131,
511.8580, 514.6981

 47.6512, 63.8988,
59.2060


 110.9846,
140.4703, 135.2011

 33.7609, 46.5687,
42.3579


140.5343,
175.4691, 170.4115

 22.8720, 32.6948,
29.0540


174.9123,
215.8462, 211.2588

 14.6192, 21.8928,
18.8757

214.4839,
261.9858, 258.1616

 8.6371, 13.7781,
11.4046

259.6144,
314.2724, 311.5384

 4.5605, 7.9665,
6.2221

310.6692,

 2.0238, 4.0735,

373.0904, 371.8077

2.9096

368.0137,
438.8241, 439.3881

■ 0.6473, 1.7148,
1.0487

■ 0.0000, 0.4332,
0.0000

■ 64.9084, 85.0695,
80.0169

■ 64.9084, 85.0695,
80.0169

■ 58.6005, 81.9748,
72.6204

■ 72.3749, 88.7510,
87.9408

■ 53.3847, 79.4330,
65.7354

■ 81.0563, 93.0482,
96.3992

■ 49.1915, 77.4083,
59.3509

■ 91.0082, 97.9896,
105.4042

■ 45.9417, 75.8601,
53.4541

95.0500, 100.0000,
108.9000

■ 43.5438, 74.7415,
48.0309

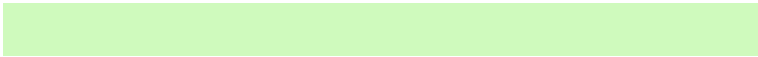
■ 41.8865, 73.9953,
43.0664

■ 41.1258, 73.6663,
40.1759

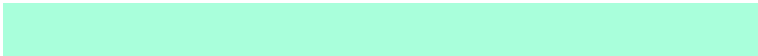
Harmonies

Analogous

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



68.9673, 85.0695, 61.1006



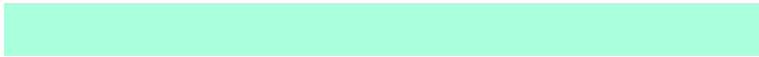
64.9084, 85.0695, 80.0169



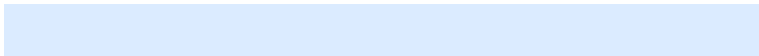
64.8956, 85.0695, 106.3215

Triad

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



64.9084, 85.0695, 80.0169



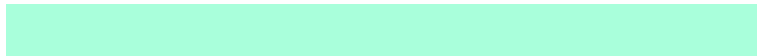
85.5064, 85.0695, 150.9097



94.0828, 85.0695, 61.1884

Complementary

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



64.9084, 85.0695, 80.0169



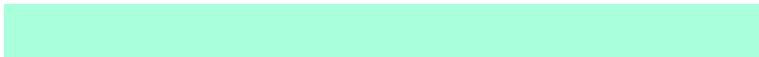
66.4480, 54.0447, 64.6875

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.



99.2396, 85.0695, 80.1606



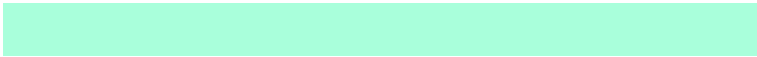
64.9084, 85.0695, 80.0169



94.0380, 85.0695, 133.4716

Square

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



64.9084, 85.0695, 80.0169



76.3242, 85.0695, 150.8510



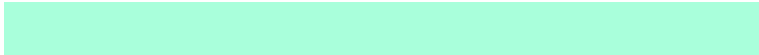
99.2227, 85.0695, 106.4952



85.5638, 85.0695, 51.7214

Rectangle

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



64.9084, 85.0695, 80.0169



67.1625, 85.0695, 124.8494



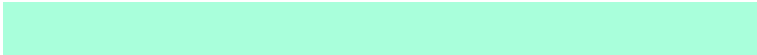
99.2227, 85.0695, 106.4952



96.2947, 85.0695, 66.4873

Sweetspot

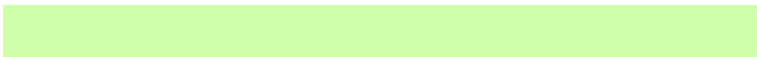
The Sweet Spot groups the original color and five complimentary colors.



64.9092, 85.0699, 80.0183



84.6116, 94.8119, 99.6886



68.4498, 87.5449, 50.8276



17.8187, 20.1489, 21.0699



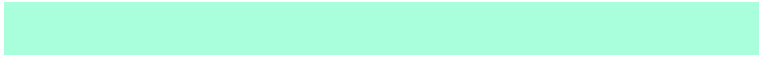
0.0000, 0.0000, 0.0000



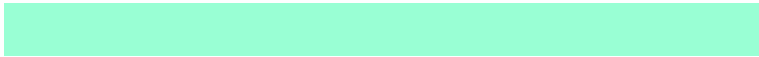
20.3446, 21.4041, 23.3091

Same Dimension

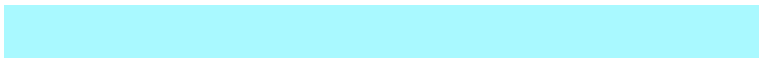
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9092, 85.0699, 80.0183



60.8189, 83.0611, 75.3152



68.3710, 83.5718, 107.1352



18.2145, 20.3453, 21.4324



21.5653, 38.5227, 21.3940



2.1543, 3.7726, 2.3702

Inverse Universe

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



66.4480, 54.0447, 64.6875



62.5605, 48.0142, 58.0140



63.6803, 54.6819, 44.7358



18.3248, 18.1132, 20.3274



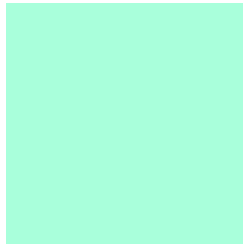
22.9988, 11.6888, 8.6443



2.2923, 1.1593, 1.1209

Previews

White Background



This preview shows how the XYZ color 64.9084, 85.0695, 80.0169 looks on a white background.

Color Contrast Check

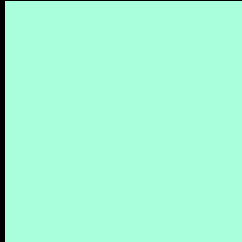
Large Text (above 18pt) WCAG AA × Fail

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 64.9084, 85.0695, 80.0169 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 64.9084, 85.0695, 80.0169

Background



This preview shows how black text looks on a background with the XYZ color 64.9084, 85.0695, 80.0169.



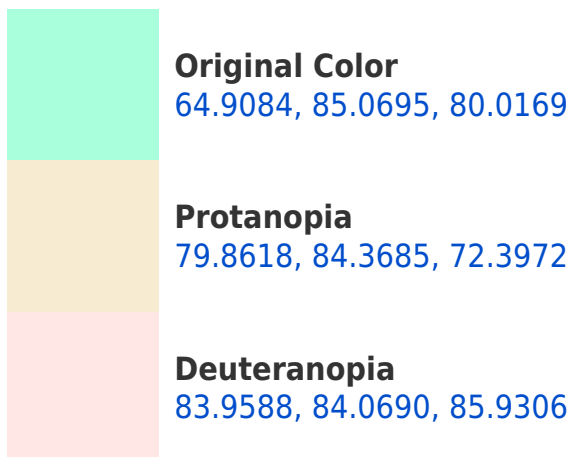
This preview shows how white text looks on a background with the XYZ color 64.9084, 85.0695,

80.0169.

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





Tritanopia

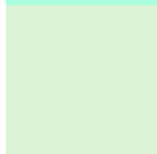
75.8327, 84.5866, 106.9378

Trichromacy



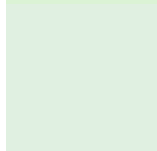
Original Color

64.9084, 85.0695, 80.0169



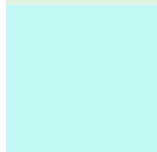
Protanomaly

73.2742, 83.9653, 75.2958



Deuteranomaly

75.4912, 83.6037, 83.3925



Tritanomaly

71.2801, 84.2698, 96.5132

Monochromacy



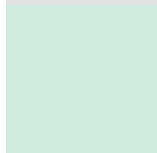
Original Color

64.9084, 85.0695, 80.0169



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.4916, 78.2978, 81.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9084, 85.0695, 80.0169 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(169, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 219)  
}
```

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(169, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 64.9084, 85.0695, 80.0169 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(169, 255, 219) }
```


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

```
.border{ border-color:rgb(169, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9084, 85.0695, 80.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 219) }
```

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

```
.background{ background-color: rgb(169,  
255, 219) }
```

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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