

Converting Colors

XYZ(65.2858, 85.1960, 83.1084)

Have a look what the booklet for
XYZ(65.2858, 85.1960, 83.1084)
contains.

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Color

**XYZ(65.2277, 85.1725,
82.8141)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFDF
RGB	168, 255, 223
RGB Percent	66%, 100%, 87%
CMY	0.3412, 0.0000, 0.1255
CMYK	0.34, 0.00, 0.13, 0.00
HSL	158°, 100%, 83%
HSV	158°, 34%, 100%
XYZ	65.2277, 85.1725, 82.8141
YIQ	225.3390, -41.5800, -28.3960

Conversions

Conversions Part 2

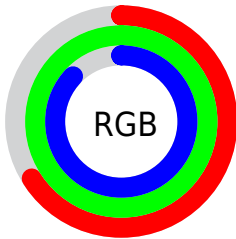
Format	Color
RYB	168, 221, 255
Decimal	11075551
CIELab	93.96, -32.92, 7.02
CIELCh	94, 33.664, 167.965
Yxy	85.1725, 0.2797, 0.3652
Android (android.graphics.Color)	4289265631 (0xFFA8FFDF)
YUV	225.3390, -1.1531, -50.2863
Hunter-Lab	92.2889, -35.3460, 11.3993

Details

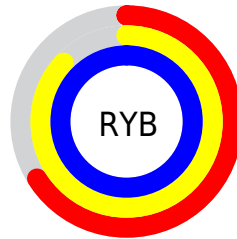
The XYZ color **65.2277, 85.1725, 82.8141** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.6685, 53.4364, 61.4971**, and the grayscale version is **71.8412, 75.5826, 82.3094**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **33.9441, 46.6601, 44.2630** is the 20% darker color. If you saturate the color by 10%, you get **59.0913, 82.1511, 76.1085**, and if you desaturate by 10%, it is **72.5004, 88.7715, 89.9414**.

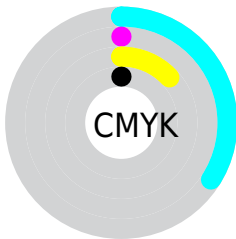
Distribution



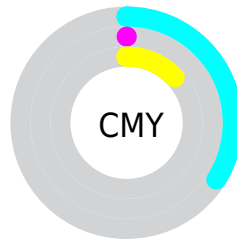
- Red (66%)
- Green (100%)
- Blue (87%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2277, 85.1725, 82.8141 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 65.2277, 85.1725, 82.8141 by changing the saturation by 10% instead.

 65.2277, 85.1725,
82.8141

 65.2277, 85.1725,
82.8141


433.1421,
512.1987, 524.3215

 47.9111, 63.9839,
61.4971


 111.4410,
140.6142, 139.1620

 33.9675, 46.6377,
44.1933


141.0685,
175.6360, 175.0299

 23.0314, 32.7493,
30.4842


175.5303,
216.0378, 216.5852

 14.7375, 21.9345,
19.9512

215.1919,
262.2038, 264.2465

 8.7205, 13.8087,
12.1759

260.4184,
314.5185, 318.4322

 4.6150, 7.9878,
6.7396

311.5754,

 2.0556, 4.0871,

373.3663, 379.5609

3.2238

369.0282,
439.1316, 448.0512

■ 0.6649, 1.7224,
1.2100

■ 0.0000, 0.4381,
0.0000

■ 65.2277, 85.1725,
82.8141

■ 65.2277, 85.1725,
82.8141

■ 59.0913, 82.1511,
76.1085

■ 72.5004, 88.7715,
89.9414

■ 54.0248, 79.6734,
69.8113

■ 80.9652, 92.9769,
97.4945

■ 49.9592, 77.7038,
63.9149

■ 90.6774, 97.8169,
105.4831

■ 46.8153, 76.2017,
58.4093

95.0500, 100.0000,
108.9000

■ 44.5018, 75.1201,
53.2839

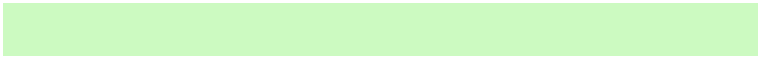
■ 42.9070, 74.4015,
48.5269

■ 42.2115, 74.1006,
45.8934

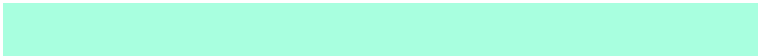
Harmonies

Analogous

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



68.8056, 85.1725, 63.4360



65.2277, 85.1725, 82.8141



65.6285, 85.1725, 108.8260

Triad

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



65.2277, 85.1725, 82.8141



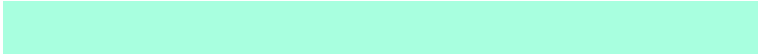
86.3919, 85.1725, 148.1180



93.0624, 85.1725, 60.6715

Complementary

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



65.2277, 85.1725, 82.8141



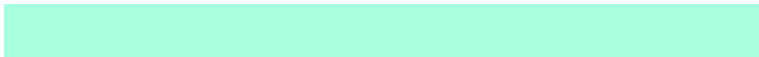
65.6685, 53.4364, 61.4971

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.



98.4967, 85.1725, 78.3199



65.2277, 85.1725, 82.8141



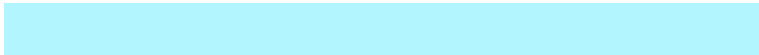
94.4541, 85.1725, 129.9070

Square

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



65.2277, 85.1725, 82.8141



77.4101, 85.1725, 149.9329



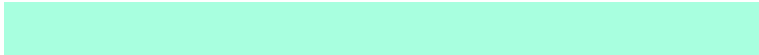
99.0241, 85.1725, 103.4254



84.6042, 85.1725, 52.3264

Rectangle

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



65.2277, 85.1725, 82.8141



68.1014, 85.1725, 126.5713



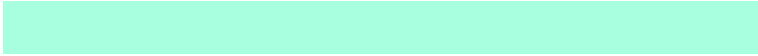
99.0241, 85.1725, 103.4254



95.3295, 85.1725, 65.5455

Sweetspot

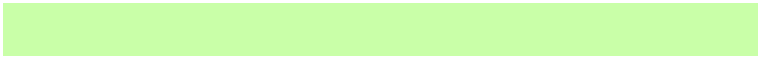
The Sweet Spot groups the original color and five complimentary colors.



65.2286, 85.1729, 82.8155



84.8093, 94.8910, 100.7299



67.0102, 86.8135, 50.2720



17.8666, 20.1681, 21.3221



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.



65.2286, 85.1729, 82.8155



60.8860, 83.0330, 78.1544



66.8061, 80.7594, 106.6748



18.2548, 20.3615, 21.6448



22.1309, 38.7489, 24.3723



2.2075, 3.7939, 2.6505

Inverse Universe

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



65.6685, 53.4364, 61.4971



61.3932, 46.8865, 53.9037



64.2588, 55.9887, 44.4672



18.2856, 18.0975, 20.1209



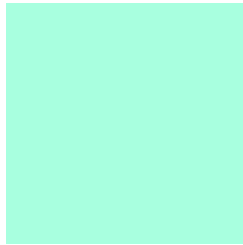
22.6651, 11.5553, 6.8870



2.2573, 1.1453, 0.9364

Previews

White Background



This preview shows how the XYZ color 65.2277, 85.1725, 82.8141 looks on a white background.

Color Contrast Check

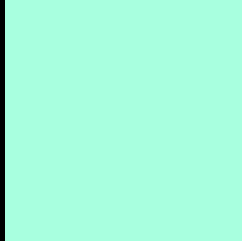
Large Text (above 18pt) WCAG AA × Fail

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 65.2277, 85.1725, 82.8141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

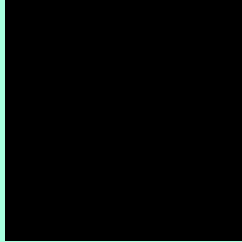
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

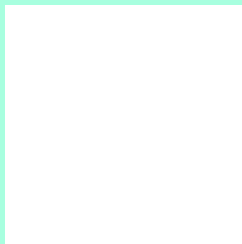
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2277, 85.1725, 82.8141

Background



This preview shows how black text looks on a background with the XYZ color 65.2277, 85.1725, 82.8141.

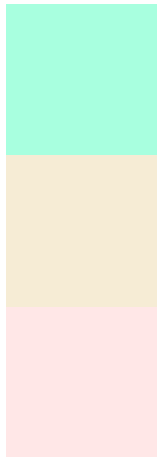


This preview shows how white text looks on a background with the XYZ color 65.2277, 85.1725,

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

65.2277, 85.1725, 82.8141

Protanopia

80.0117, 84.3878, 75.0222

Deuteranopia

84.2397, 84.1813, 87.4100



Tritanopia

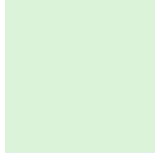
75.5542, 84.4430, 106.9247

Trichromacy



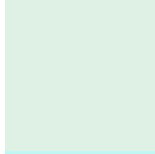
Original Color

65.2277, 85.1725, 82.8141



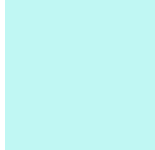
Protanomaly

73.4884, 84.0164, 77.9892



Deuteranomaly

75.5951, 83.6096, 85.5528



Tritanomaly

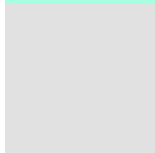
71.1767, 84.1991, 97.2947

Monochromacy



Original Color

65.2277, 85.1725, 82.8141



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.3518, 78.2101, 82.0145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2277, 85.1725, 82.8141 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(168, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 223)  
}
```

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(168, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 65.2277, 85.1725, 82.8141 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(168, 255, 223) }
```


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

```
.border{ border-color:rgb(168, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(168, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2277, 85.1725, 82.8141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 223) }
```

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

```
.background{ background-color: rgb(168,  
255, 223) }
```

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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