

Converting Colors

XYZ(65.6586, 85.6136, 72.9400)

Have a look what the booklet for
XYZ(65.6586, 85.6136, 72.9400)
contains.

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Color

**XYZ(65.7356, 85.6578,
72.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD0
RGB	179, 255, 208
RGB Percent	70%, 100%, 82%
CMY	0.2980, 0.0000, 0.1843
CMYK	0.30, 0.00, 0.18, 0.00
HSL	143°, 100%, 85%
HSV	143°, 30%, 100%
XYZ	65.7356, 85.6578, 72.7435
YIQ	226.9180, -30.2090, -30.7290

Conversions

Conversions Part 2

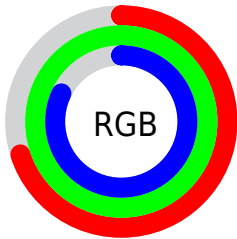
Format	Color
RYB	179, 234, 255
Decimal	11796432
CIELab	94.17, -32.68, 15.10
CIELCh	94, 36.001, 155.200
Yxy	85.6578, 0.2933, 0.3822
Android (android.graphics.Color)	4289986512 (0xFFB3FFD0)
YUV	226.9180, -9.3266, -42.0241
Hunter-Lab	92.5515, -35.1838, 18.1854

Details

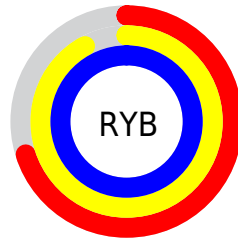
The XYZ color **65.7356, 85.6578, 72.7435** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.0880, 58.9920, 79.5913**, and the grayscale version is **73.0352, 76.8387, 83.6773**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.3390, 47.0063, 37.8351** is the 20% darker color. If you saturate the color by 10%, you get **58.5321, 82.1574, 62.7774**, and if you desaturate by 10%, it is **74.2232, 89.7979, 83.7794**.

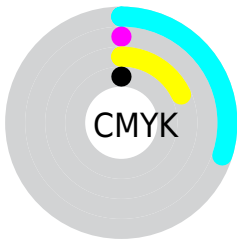
Distribution



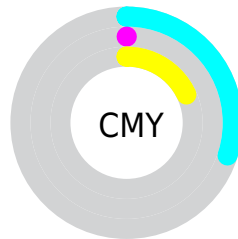
- Red (70%)
- Green (100%)
- Blue (82%)



- Red (70%)
- Yellow (92%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7356, 85.6578, 72.7435 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 65.7356, 85.6578, 72.7435 by changing the saturation by 10% instead.


 65.7356, 85.6578,
72.7435

 65.7356, 85.6578,
72.7435


434.9343,
513.8022, 489.1723

 48.3247, 64.3850,
53.2757

 112.1666,
141.2919, 124.8305

 34.2964, 46.9626,
37.6337


141.9174,
176.4219, 158.2869

 23.2854, 33.0061,
25.3989


176.5123,
216.9399, 197.2431

 14.9262, 22.1311,
16.1528

216.3165,
263.2302, 242.1179

 8.8536, 13.9533,
9.4768

261.6954,
315.6772, 293.3296

 4.7022, 8.0882,
4.9524

313.0145,

 2.1065, 4.1514,

374.6652, 351.2969

2.1611

370.6390,
440.5788, 416.4383

■ 0.6928, 1.7586,
0.6518

■ 0.0000, 0.4612,
0.0000

■ 65.7356, 85.6578,
72.7435

■ 65.7356, 85.6578,
72.7435

■ 58.5321, 82.1574,
62.7774

■ 74.2232, 89.7979,
83.7794

■ 52.5448, 79.2623,
53.8448

■ 84.0538, 94.6074,
95.9120

■ 47.7026, 76.9366,
45.9129

95.0500, 100.0000,
108.9000

■ 43.9257, 75.1399,
38.9458

■ 41.1234, 73.8260,
32.9053

■ 39.1884, 72.9406,
27.7503

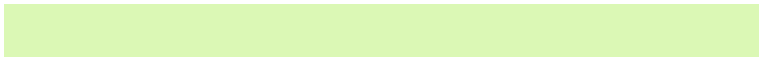
■ 37.9528, 72.3978,
23.4343

■ 37.9319, 72.3888,
23.3573

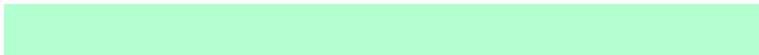
Harmonies

Analogous

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



71.2007, 85.6578, 56.2963



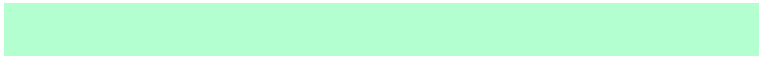
65.7356, 85.6578, 72.7435



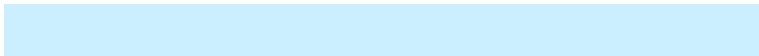
64.3310, 85.6578, 98.1564

Triad

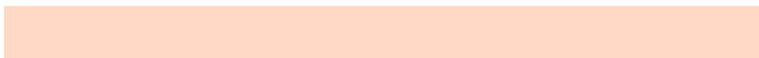
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.7356, 85.6578, 72.7435



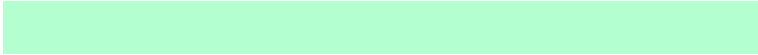
83.1050, 85.6578, 156.6785



97.5036, 85.6578, 65.9150

Complementary

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



65.7356, 85.6578, 72.7435



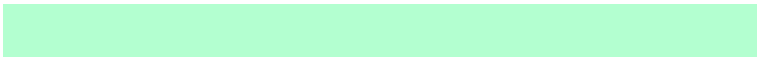
71.0880, 58.9920, 79.5913

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.



101.2841, 85.6578, 88.5423



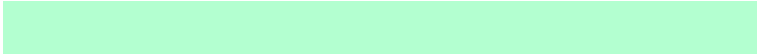
65.7356, 85.6578, 72.7435



92.5627, 85.6578, 143.6612

Square

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



65.7356, 85.6578, 72.7435



73.8923, 85.6578, 150.1677



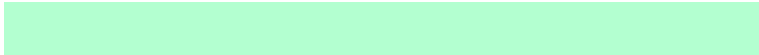
99.4086, 85.6578, 117.3271



89.4321, 85.6578, 52.9326

Rectangle

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



65.7356, 85.6578, 72.7435



65.7830, 85.6578, 117.7186



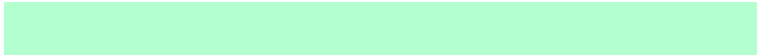
99.4086, 85.6578, 117.3271



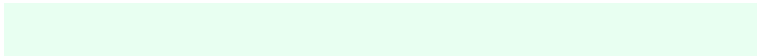
99.3462, 85.6578, 72.4596

Sweetspot

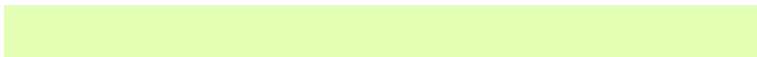
The Sweet Spot groups the original color and five complimentary colors.



65.7363, 85.6581, 72.7449



84.9034, 95.0235, 96.9349



75.6177, 91.1275, 56.2528



17.8448, 20.1783, 20.3526



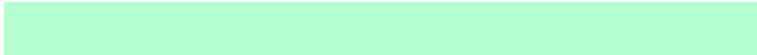
0.0000, 0.0000, 0.0000



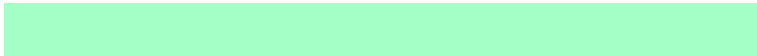
20.3446, 21.4041, 23.3091

Same Dimension

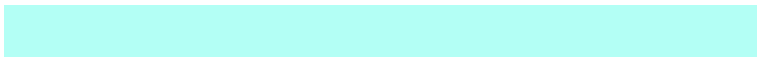
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7363, 85.6581, 72.7449



61.1248, 83.4155, 66.4445



70.8120, 87.6884, 99.4731



18.0584, 20.2829, 20.6103



19.8873, 37.8515, 12.5576



1.9876, 3.7060, 1.4926

Inverse Universe

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



71.0880, 58.9920, 79.5913



67.2870, 52.6912, 74.3133



66.5605, 57.1810, 55.7499



18.4816, 18.1760, 21.1535



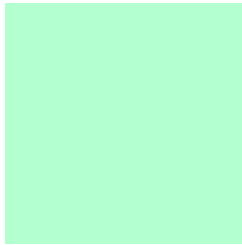
24.8349, 12.4233, 18.3130



2.4714, 1.2309, 2.0638

Previews

White Background



This preview shows how the XYZ color 65.7356, 85.6578, 72.7435 looks on a white background.

Color Contrast Check

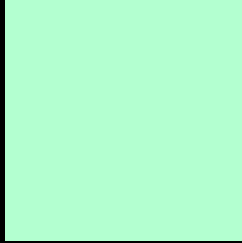
Large Text (above 18pt) WCAG AA × Fail

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 65.7356, 85.6578, 72.7435 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 65.7356, 85.6578, 72.7435

Background



This preview shows how black text looks on a background with the XYZ color 65.7356, 85.6578, 72.7435.



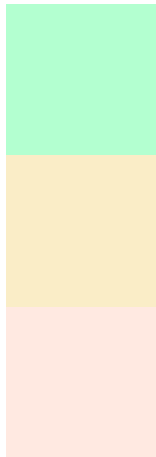
This preview shows how white text looks on a background with the XYZ color 65.7356, 85.6578,

72.7435.

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

65.7356, 85.6578, 72.7435

Protanopia

80.0173, 85.0159, 66.2252

Deuteranopia

83.9695, 84.9741, 83.2101



Tritanopia

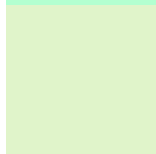
77.2520, 85.3182, 107.0042

Trichromacy



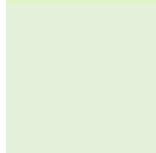
Original Color

65.7356, 85.6578, 72.7435



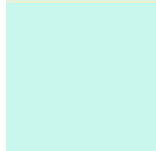
Protanomaly

73.7518, 84.8129, 68.3605



Deuteranomaly

75.9200, 84.3560, 79.2987



Tritanomaly

72.5128, 84.9739, 93.4687

Monochromacy



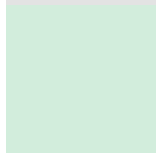
Original Color

65.7356, 85.6578, 72.7435



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.7808, 79.4373, 79.3652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7356, 85.6578, 72.7435 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(179, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 208)  
}
```

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(179, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 208) }
```

Border

The CSS property to change the border of an element to XYZ 65.7356, 85.6578, 72.7435 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(179, 255, 208) }
```


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

```
.border{ border-color:rgb(179, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7356, 85.6578, 72.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 208) }
```

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

```
.background{ background-color: rgb(179,  
255, 208) }
```

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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