

Converting Colors

XYZ(100.5464, 153.7319,
95.3416)

Have a look what the booklet for
XYZ(100.5464, 153.7319, 95.3416)
contains.

XYZ(66.5842, 85.8405, 84.2937)	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(66.5842, 85.8405,
84.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFE1
RGB	173, 255, 225
RGB Percent	68%, 100%, 88%
CMY	0.3216, 0.0000, 0.1176
CMYK	0.32, 0.00, 0.12, 0.00
HSL	158°, 100%, 84%
HSV	158°, 32%, 100%
XYZ	66.5842, 85.8405, 84.2937
YIQ	227.0620, -39.2420, -26.7140

Conversions

Conversions Part 2

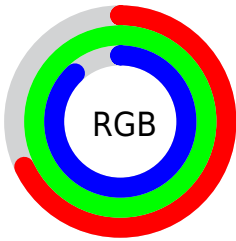
Format	Color
RYB	173, 223, 255
Decimal	11403233
CIELab	94.24, -31.12, 6.43
CIELCh	94, 31.782, 168.322
Yxy	85.8405, 0.2813, 0.3626
Android (android.graphics.Color)	4289593313 (0xFFADFFE1)
YUV	227.0620, -1.0166, -47.4124
Hunter-Lab	92.6501, -33.8565, 10.9127

Details

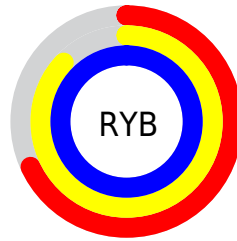
The XYZ color **66.5842, 85.8405, 84.2937** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.9636, 55.4600, 63.6758**, and the grayscale version is **73.0862, 76.8924, 83.7358**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **34.9210, 47.1420, 45.2890** is the 20% darker color. If you saturate the color by 10%, you get **60.2354, 82.7106, 77.5343**, and if you desaturate by 10%, it is **74.0803, 89.5537, 91.4726**.

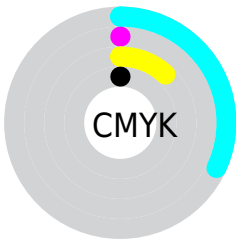
Distribution



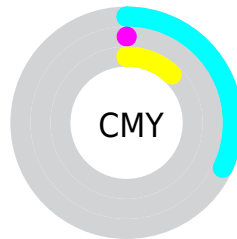
- Red (68%)
- Green (100%)
- Blue (88%)



- Red (68%)
- Yellow (87%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5842, 85.8405, 84.2937 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 66.5842, 85.8405, 84.2937 by changing the saturation by 10% instead.

66.5842, 85.8405,
84.2937

66.5842, 85.8405,
84.2937

437.9191,
514.4051, 529.3715

49.0162, 64.5361,
62.7112

113.3775,
141.5469, 141.2513

34.8470, 47.0850,
45.1681

143.3336,
176.7177, 177.4635

23.7110, 33.1029,
31.2459

178.1497,
217.2793, 219.3893

15.2429, 22.2053,
20.5262

218.1913,
263.6163, 267.4473

9.0775, 14.0078,
12.5902

263.8236,
316.1130, 322.0559

4.8493, 8.1261,
7.0196

315.4122,

2.1929, 4.1757,

375.1537, 383.6338

3.3957

373.3222,
441.1230, 452.5995

■ 0.7390, 1.7723,
1.3001

■ 0.0000, 0.4698,
0.0618

■ 66.5842, 85.8405,
84.2937

■ 66.5842, 85.8405,
84.2937

■ 60.2354, 82.7106,
77.5343

■ 74.0803, 89.5537,
91.4726

■ 54.9688, 80.1307,
71.1815

■ 82.7788, 93.8787,
99.0749

■ 50.7167, 78.0661,
65.2276

■ 92.7342, 98.8434,
107.1102

■ 47.4020, 76.4770,
59.6630

■ 95.0500, 100.0000,
108.9000

■ 44.9362, 75.3181,
54.4772

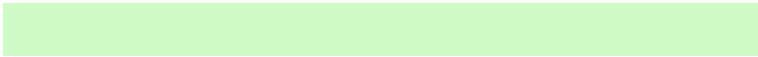
■ 43.2126, 74.5344,
49.6591

■ 42.2559, 74.1184,
46.1268

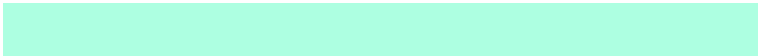
Harmonies

Analogous

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



69.9623, 85.8405, 65.6283



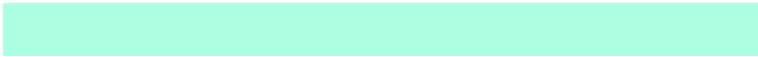
66.5842, 85.8405, 84.2937



67.0140, 85.8405, 108.9927

Triad

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



66.5842, 85.8405, 84.2937



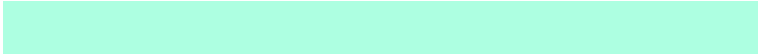
86.8441, 85.8405, 145.4113



92.9655, 85.8405, 62.6392

Complementary

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



66.5842, 85.8405, 84.2937



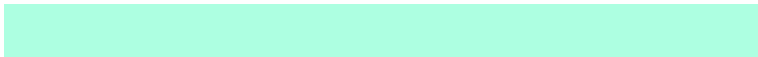
66.9636, 55.4600, 63.6758

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.



98.1370, 85.8405, 79.4882



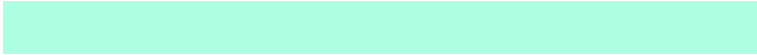
66.5842, 85.8405, 84.2937



94.4370, 85.8405, 128.2353

Square

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



66.5842, 85.8405, 84.2937



78.3200, 85.8405, 147.3079



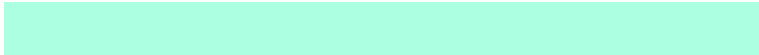
98.6935, 85.8405, 103.2800



84.9474, 85.8405, 54.6598

Rectangle

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



66.5842, 85.8405, 84.2937



69.4077, 85.8405, 125.6563



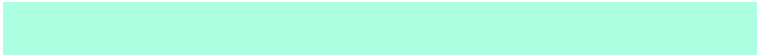
98.6935, 85.8405, 103.2800



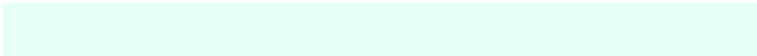
95.1178, 85.8405, 67.3036

Sweetspot

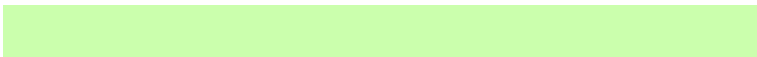
The Sweet Spot groups the original color and five complimentary colors.



66.5850, 85.8409, 84.2951



84.8170, 94.8940, 100.7703



67.9503, 87.2433, 52.7948



17.8685, 20.1688, 21.3319



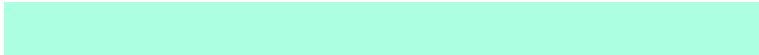
0.0000, 0.0000, 0.0000



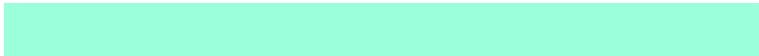
20.3446, 21.4041, 23.3091

Same Dimension

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



66.5850, 85.8409, 84.2951



62.1192, 83.6374, 79.6235



67.6550, 80.8462, 106.6468



18.2564, 20.3621, 21.6530



22.1539, 38.7582, 24.4937



2.2096, 3.7948, 2.6618

Inverse Universe

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



66.9636, 55.4600, 63.6758



62.5601, 48.6890, 55.9308



65.9102, 58.5315, 47.3603



18.2840, 18.0969, 20.1129



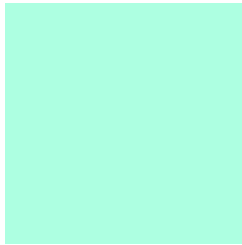
22.6532, 11.5506, 6.8244



2.2560, 1.1448, 0.9297

Previews

White Background



This preview shows how the XYZ color 66.5842, 85.8405, 84.2937 looks on a white background.

Color Contrast Check

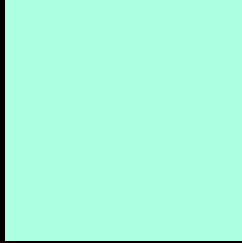
Large Text (above 18pt) WCAG AA × Fail

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 66.5842, 85.8405, 84.2937 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

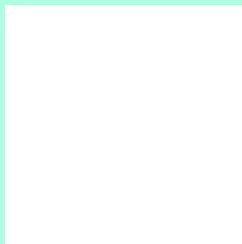
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5842, 85.8405, 84.2937

Background



This preview shows how black text looks on a background with the XYZ color 66.5842, 85.8405, 84.2937.

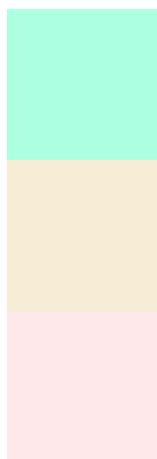


This preview shows how white text looks on a background with the XYZ color 66.5842, 85.8405,

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

66.5842, 85.8405, 84.2937

Protanopia

80.9077, 85.2488, 76.4804

Deuteranopia

84.8046, 84.8564, 89.0000



Tritanopia

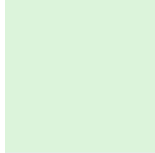
76.9790, 85.6230, 107.0774

Trichromacy



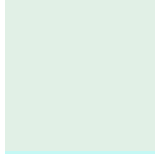
Original Color

66.5842, 85.8405, 84.2937



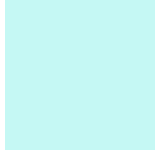
Protanomaly

74.6521, 85.0315, 79.4960



Deuteranomaly

76.4944, 84.0409, 87.0527



Tritanomaly

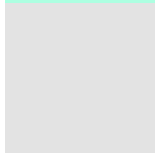
72.9225, 85.5368, 98.2548

Monochromacy



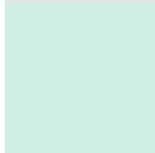
Original Color

66.5842, 85.8405, 84.2937



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.7438, 79.3248, 83.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5842, 85.8405, 84.2937 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(173, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 225)  
}
```

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(173, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 66.5842, 85.8405, 84.2937 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(173, 255, 225) }
```


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

```
.border{ border-color:rgb(173, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5842, 85.8405, 84.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 225) }
```

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

```
.background{ background-color: rgb(173,  
255, 225) }
```

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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