

Converting Colors

XYZ(66.8145, 86.4239,
102.6059)

Have a look what the booklet for
XYZ(66.8145, 86.4239, 102.6059)
contains.

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Color

**XYZ(66.1853, 85.2296,
102.5852)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF9
RGB	154, 255, 249
RGB Percent	60%, 100%, 98%
CMY	0.3961, 0.0000, 0.0235
CMYK	0.40, 0.00, 0.02, 0.00
HSL	176°, 100%, 80%
HSV	176°, 40%, 100%
XYZ	66.1853, 85.2296, 102.5852
YIQ	224.1170, -58.2700, -23.2780

Conversions

Conversions Part 2

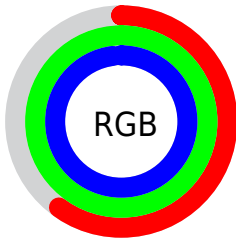
Format	Color
RYB	154, 206, 255
Decimal	10158073
CIELab	93.98, -30.88, -6.44
CIELCh	94, 31.548, 191.785
Yxy	85.2296, 0.2606, 0.3355
Android (android.graphics.Color)	4288348153 (0xFF9AFF9)
YUV	224.1170, 12.2673, -61.4926
Hunter-Lab	92.3199, -33.5909, -1.2587

Details

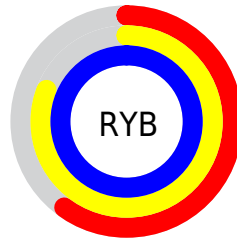
The XYZ color **66.1853, 85.2296, 102.5852** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.1416, 46.9107, 39.1963**, and the grayscale version is **70.8802, 74.5715, 81.2084**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.6436, 46.7252, 57.6450** is the 20% darker color. If you saturate the color by 10%, you get **61.6019, 82.8939, 101.1439**, and if you desaturate by 10%, it is **71.8035, 88.0984, 104.0878**.

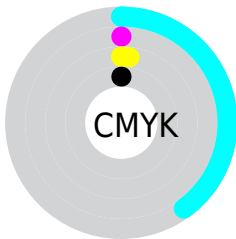
Distribution



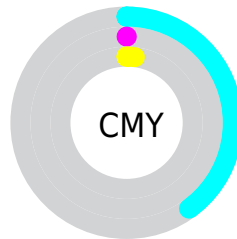
- Red (60%)
- Green (100%)
- Blue (98%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1853, 85.2296, 102.5852 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 66.1853, 85.2296, 102.5852 by changing the saturation by 10% instead.

66.1853, 85.2296,
102.5852

66.1853, 85.2296,
102.5852

436.5175,
512.3875, 589.7670

48.6911, 64.0311,
77.8324

112.8085,
140.6939, 166.7881

34.5880, 46.6759,
57.4207

142.6682,
175.7285, 207.0753

23.5107, 32.7795,
40.9315

177.3805,
216.1440, 253.3777

15.0938, 21.9576,
27.9463

217.3106,
262.3247, 306.1139

8.9720, 13.8257,
18.0465

262.8241,
314.6549, 365.7023

4.7799, 7.9996,
10.8136

314.2861,

2.1521, 4.0947,

373.5193, 432.5617

5.8290

372.0621,
439.3020, 507.1103

■ 0.7173, 1.7267,
2.6743

■ 0.0000, 0.4408,
0.9304

■ 66.1853, 85.2296,
102.5852

■ 66.1853, 85.2296,
102.5852

■ 61.6019, 82.8939,
101.1439

■ 71.8035, 88.0984,
104.0878

■ 57.9844, 81.0560,
99.7563

■ 78.5135, 91.5299,
105.6499

■ 55.2603, 79.6784,
98.4203

■ 86.3717, 95.5532,
107.2758

■ 53.3456, 78.7179,
97.1322

95.0500, 100.0000,
108.9000

■ 52.1404, 78.1229,
95.8871

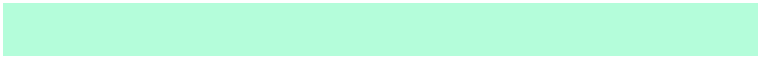
■ 51.4881, 77.8127,
94.6776

■ 51.4667, 77.8027,
94.6304

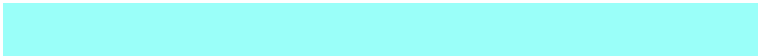
Harmonies

Analogous

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



66.5965, 85.2296, 79.0621



66.1853, 85.2296, 102.5852



69.5374, 85.2296, 127.2112

Triad

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



66.1853, 85.2296, 102.5852



92.2695, 85.2296, 131.7990



86.1695, 85.2296, 55.3907

Complementary

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



66.1853, 85.2296, 102.5852



59.1416, 46.9107, 39.1963

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.



93.6758, 85.2296, 65.2326



66.1853, 85.2296, 102.5852



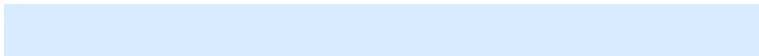
97.3620, 85.2296, 108.0449

Square

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



66.1853, 85.2296, 102.5852



84.3563, 85.2296, 145.9270



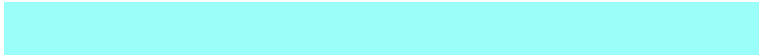
97.8938, 85.2296, 83.6587



77.7498, 85.2296, 54.4428

Rectangle

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



66.1853, 85.2296, 102.5852



73.6000, 85.2296, 139.8902



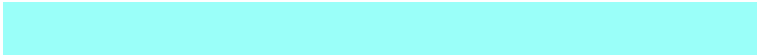
97.8938, 85.2296, 83.6587



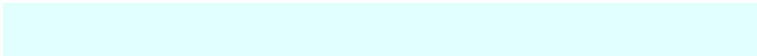
88.8975, 85.2296, 57.6776

Sweetspot

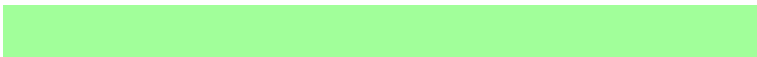
The Sweet Spot groups the original color and five complimentary colors.



66.1864, 85.2301, 102.5867



84.3833, 94.5348, 106.8807



56.2381, 81.4030, 43.3219



17.8354, 20.1186, 22.8311



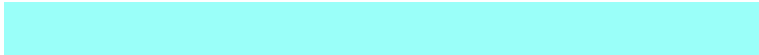
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



66.1864, 85.2301, 102.5867



62.2713, 83.2347, 101.3718



54.7299, 60.7958, 103.4579



18.5055, 20.4617, 22.9651



26.9126, 40.6616, 49.5522



2.6340, 3.9645, 4.8964

Inverse Universe

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



59.1416, 46.9107, 39.1963



54.2969, 39.8153, 29.5838



67.2144, 63.8758, 39.3603



18.0531, 18.0046, 18.8968



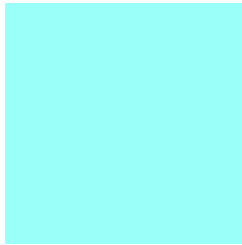
21.6113, 11.1338, 1.3376



2.1189, 1.0899, 0.2074

Previews

White Background



This preview shows how the XYZ color 66.1853, 85.2296, 102.5852 looks on a white background.

Color Contrast Check

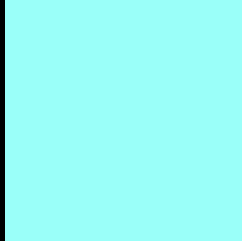
Large Text (above 18pt) WCAG AA × Fail

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 66.1853, 85.2296, 102.5852 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

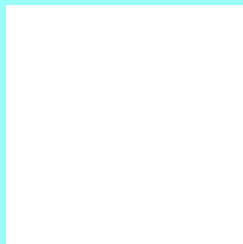
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1853, 85.2296, 102.5852

Background



This preview shows how black text looks on a background with the XYZ color 66.1853, 85.2296, 102.5852.

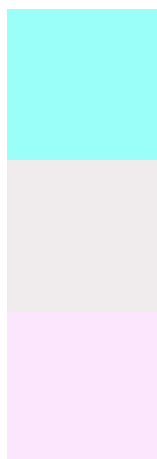


This preview shows how white text looks on a background with the XYZ color 66.1853, 85.2296,

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

66.1853, 85.2296, 102.5852

Protanopia

80.9296, 84.0564, 92.0798

Deuteranopia

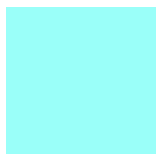
85.9699, 84.2586, 105.4984



Tritanopia

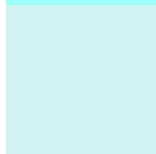
74.7578, 84.4779, 106.9735

Trichromacy



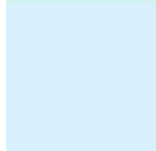
Original Color

66.1853, 85.2296, 102.5852



Protanomaly

73.9238, 83.4104, 95.4227



Deuteranomaly

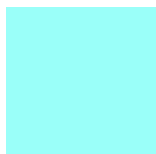
76.7561, 83.3602, 104.1401



Tritanomaly

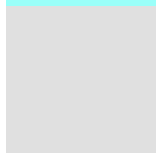
71.3046, 84.5409, 105.4884

Monochromacy



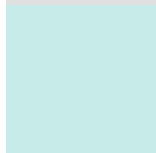
Original Color

66.1853, 85.2296, 102.5852



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9695, 77.4420, 88.4562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1853, 85.2296, 102.5852 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(154, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 249)  
}
```

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(154, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 66.1853, 85.2296, 102.5852 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(154, 255, 249) }
```


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

```
.border{ border-color:rgb(154, 255, 249) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1853, 85.2296, 102.5852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 249) }
```

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

```
.background{ background-color: rgb(154,  
255, 249) }
```

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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