

Converting Colors

XYZ(65.5700, 84.9836, 99.3383)

Have a look what the booklet for
XYZ(65.5700, 84.9836, 99.3383)
contains.

XYZ(65.5679, 84.9826, 99.3337)	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(65.5679, 84.9826,
99.3337)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF5
RGB	154, 255, 245
RGB Percent	60%, 100%, 96%
CMY	0.3961, 0.0000, 0.0392
CMYK	0.40, 0.00, 0.04, 0.00
HSL	174°, 100%, 80%
HSV	174°, 40%, 100%
XYZ	65.5679, 84.9826, 99.3337
YIQ	223.6610, -56.9860, -24.5220

Conversions

Conversions Part 2

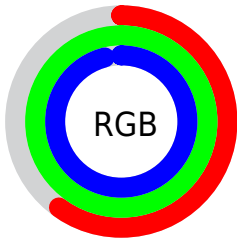
Format	Color
RYB	154, 207, 255
Decimal	10158069
CIELab	93.88, -31.81, -4.53
CIELCh	94, 32.128, 188.110
Yxy	84.9826, 0.2624, 0.3401
Android (android.graphics.Color)	4288348149 (0xFF9AFFF5)
YUV	223.6610, 10.5201, -61.0927
Hunter-Lab	92.1860, -34.3662, 0.6431

Details

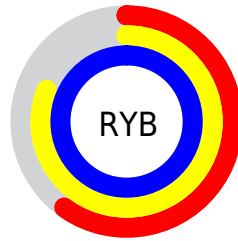
The XYZ color **65.5679, 84.9826, 99.3337** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.4974, 47.0530, 41.0694**, and the grayscale version is **70.5663, 74.2413, 80.8487**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.2033, 46.5491, 55.3263** is the 20% darker color. If you saturate the color by 10%, you get **60.8370, 82.5879, 97.1155**, and if you desaturate by 10%, it is **71.3370, 87.9118, 101.6309**.

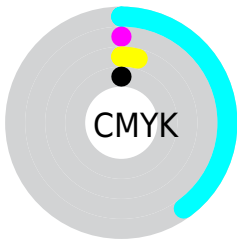
Distribution



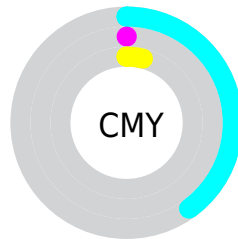
- Red (60%)
- Green (100%)
- Blue (96%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5679, 84.9826, 99.3337 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 65.5679, 84.9826, 99.3337 by changing the saturation by 10% instead.

65.5679, 84.9826,
99.3337

65.5679, 84.9826,
99.3337

434.3430,
511.5705, 579.2828

48.1881, 63.8270,
75.1304

111.9271,
140.3489, 162.2851

34.1878, 46.5106,
55.2174

141.6372,
175.3283, 201.8703

23.2015, 32.6489,
39.1760

176.1882,
215.6845, 247.4199

14.8638, 21.8576,
26.5878

215.9454,
261.8019, 299.3525

8.8096, 13.7523,
17.0342

261.2741,
314.0647, 358.0865

4.6733, 7.9486,
10.0967

312.5397,

2.0896, 4.0621,

372.8575, 424.0405

5.3566

370.1075,
438.5647, 497.6331

■ 0.6836, 1.7083,
2.3956

■ 0.0000, 0.4291,
0.7841

■ 65.5679, 84.9826,
99.3337

■ 65.5679, 84.9826,
99.3337

■ 60.8370, 82.5879,
97.1155

■ 71.3370, 87.9118,
101.6309

■ 57.0752, 80.6923,
94.9685

■ 78.2013, 91.4050,
104.0054

■ 54.2102, 79.2584,
92.8907

■ 86.2172, 95.4913,
106.4615

■ 52.1580, 78.2428,
90.8781

95.0500, 100.0000,
108.9000

■ 50.8185, 77.5941,
88.9258

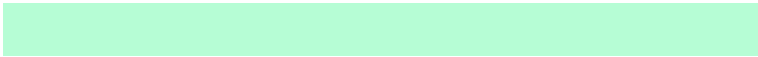
■ 50.0352, 77.2315,
87.0265

■ 50.0087, 77.2195,
86.9525

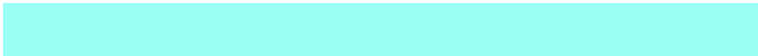
Harmonies

Analogous

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



66.4601, 84.9826, 76.0663



65.5679, 84.9826, 99.3337



68.5174, 84.9826, 124.7348

Triad

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



65.5679, 84.9826, 99.3337



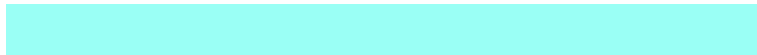
91.3496, 84.9826, 134.7367



87.0583, 84.9826, 55.3612

Complementary

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



65.5679, 84.9826, 99.3337



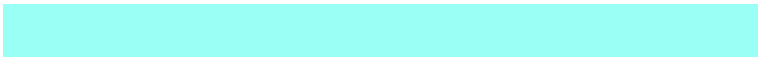
59.4974, 47.0530, 41.0694

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.



94.4102, 84.9826, 66.4110



65.5679, 84.9826, 99.3337



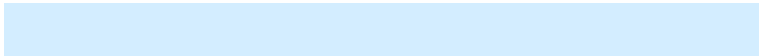
97.0070, 84.9826, 111.2164

Square

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



65.5679, 84.9826, 99.3337



83.1148, 84.9826, 147.4023



98.1648, 84.9826, 86.0473



78.4764, 84.9826, 53.3114

Rectangle

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



65.5679, 84.9826, 99.3337



72.3968, 84.9826, 138.5366



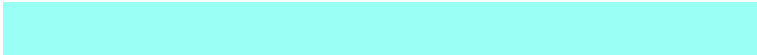
98.1648, 84.9826, 86.0473



89.7725, 84.9826, 58.0385

Sweetspot

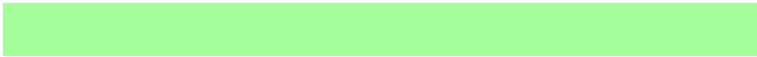
The Sweet Spot groups the original color and five complimentary colors.



65.5690, 84.9831, 99.3352



84.1906, 94.4577, 105.8660



56.9244, 81.7568, 43.3541



17.7897, 20.1003, 22.5905



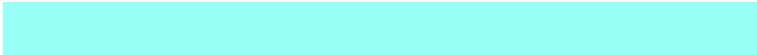
0.0000, 0.0000, 0.0000



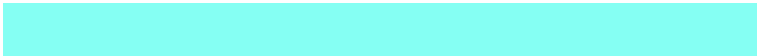
20.3446, 21.4041, 23.3091

Same Dimension

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



65.5690, 84.9831, 99.3352



61.5298, 82.9380, 97.4670



55.5764, 62.4887, 103.7401



18.4728, 20.4486, 22.7926



26.1623, 40.3615, 45.6012



2.5689, 3.9385, 4.5534

Inverse Universe

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



59.4974, 47.0530, 41.0694



54.6619, 39.9614, 31.5062



66.4546, 62.3563, 39.1071



18.0824, 18.0163, 19.0512



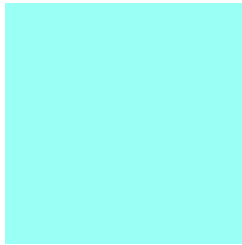
21.6658, 11.1556, 1.6244



2.1327, 1.0955, 0.2803

Previews

White Background



This preview shows how the XYZ color 65.5679, 84.9826, 99.3337 looks on a white background.

Color Contrast Check

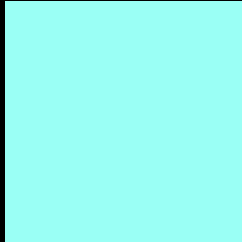
Large Text (above 18pt) WCAG AA × Fail

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 65.5679, 84.9826, 99.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

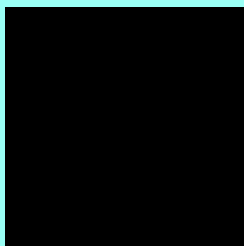
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

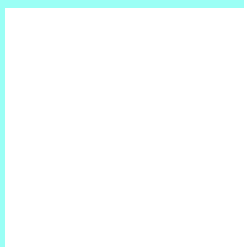
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.5679, 84.9826, 99.3337

Background



This preview shows how black text looks on a background with the XYZ color 65.5679, 84.9826, 99.3337.

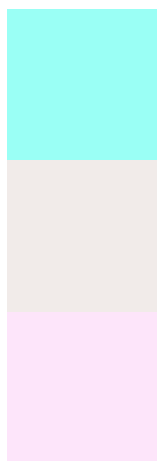


This preview shows how white text looks on a background with the XYZ color 65.5679, 84.9826,

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

65.5679, 84.9826, 99.3337

Protanopia

80.6919, 84.0006, 89.0516

Deuteranopia

85.7826, 83.8234, 102.1008



Tritanopia

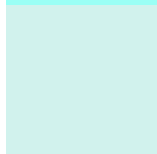
74.7578, 84.4779, 106.9735

Trichromacy



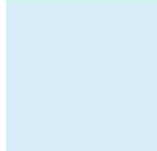
Original Color

65.5679, 84.9826, 99.3337



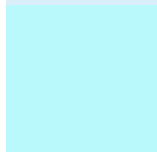
Protanomaly

73.3327, 83.1740, 92.3099



Deuteranomaly

76.1331, 82.6781, 100.7528



Tritanomaly

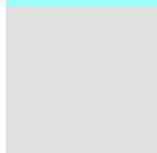
70.9876, 84.4141, 103.8189

Monochromacy



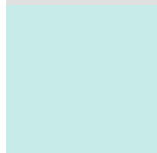
Original Color

65.5679, 84.9826, 99.3337



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.8270, 77.3850, 87.7059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5679, 84.9826, 99.3337 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 65.5679, 84.9826, 99.3337 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, 245) }
```


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

```
.border{ border-color:rgb(154, 255, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5679, 84.9826, 99.3337 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, 245) }
```

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

```
.background{ background-color: rgb(154,  
255, 245) }
```

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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