

Converting Colors

XYZ(65.4018, 79.4751,
103.7656)

Have a look what the booklet for
XYZ(65.4018, 79.4751, 103.7656)
contains.

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Color

**XYZ(65.3472, 79.2365,
103.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F3FC
RGB	166, 243, 252
RGB Percent	65%, 95%, 99%
CMY	0.3490, 0.0470, 0.0118
CMYK	0.34, 0.04, 0.00, 0.01
HSL	186°, 93%, 82%
HSV	186°, 34%, 99%
XYZ	65.3472, 79.2365, 103.9455
YIQ	221.0030, -48.7810, -13.5250

Conversions

Conversions Part 2

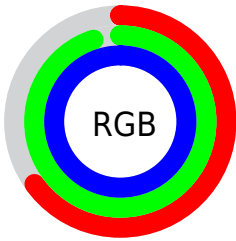
Format	Color
RYB	166, 207, 252
Decimal	10941436
CIELab	91.34, -21.38, -11.86
CIELCh	91, 24.448, 209.018
Yxy	79.2365, 0.2629, 0.3188
Android (android.graphics.Color)	4289131516 (0xFFA6F3FC)
YUV	221.0030, 15.2815, -48.2376
Hunter-Lab	89.0149, -24.7365, -6.9244

Details

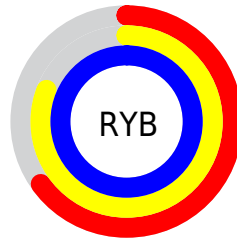
The XYZ color **65.3472, 79.2365, 103.9455** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.3590, 54.1094, 43.2357**, and the grayscale version is **68.6520, 72.2272, 78.6555**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **34.0511, 42.7958, 58.0955** is the 20% darker color. If you saturate the color by 10%, you get **59.7906, 75.2110, 103.4627**, and if you desaturate by 10%, it is **71.9548, 83.8245, 104.4842**.

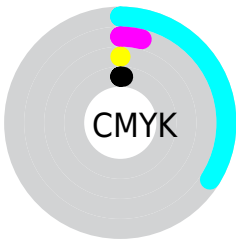
Distribution



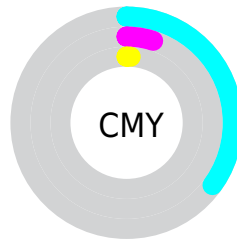
- Red (65%)
- Green (95%)
- Blue (99%)



- Red (65%)
- Yellow (81%)
- Blue (99%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (35%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3472, 79.2365, 103.9455 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 65.3472, 79.2365, 103.9455 by changing the saturation by 10% instead.

65.3472, 79.2365,
103.9455

65.3472, 79.2365,
103.9455

433.5641,
492.3561, 594.1240

48.0084, 59.0903,
78.9645

111.6118,
132.2918, 168.6677

34.0448, 42.6858,
58.3455

141.2683,
165.9696, 209.2460

23.0911, 29.6387,
41.6699

175.7615,
204.9267, 255.8604

14.7818, 19.5645,
28.5193

215.4566,
249.5476, 308.9296

8.7517, 12.0789,
18.4750

260.7191,
300.2165, 368.8719

4.6354, 6.7974,
11.1186

311.9143,

2.0675, 3.3357,

357.3180, 436.1061

6.0315

369.4075,
421.2364, 511.0506

0.6715, 1.3094,
2.7951

0.0000, 0.1485,
0.9910

65.3472, 79.2365,
103.9455

65.3472, 79.2365,
103.9455

59.7906, 75.2110,
103.4627

71.9548, 83.8245,
104.4842

55.2172, 71.7071,
103.0274

79.6622, 88.9945,
105.0758

51.5623, 68.6934,
102.6384

88.5235, 94.7763,
105.7248

48.7503, 66.1309,
102.2920

94.1102, 98.8869,
106.2238

■ 46.6935, 63.9742, 94.5710, 99.8084,
101.9841 106.3774

■ 45.2846, 62.1680,
101.7097

■ 44.6687, 61.2238,
101.5599

Harmonies

Analogous

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



63.9949, 79.2365, 85.6902



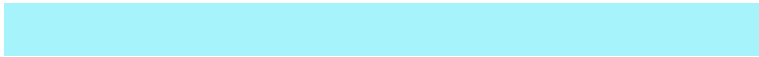
65.3472, 79.2365, 103.9455



69.3320, 79.2365, 119.0323

Triad

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



65.3472, 79.2365, 103.9455



86.0176, 79.2365, 105.0993



75.5168, 79.2365, 56.4062

Complementary

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



65.3472, 79.2365, 103.9455



62.3590, 54.1094, 43.2357

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.



81.6261, 79.2365, 60.1572



65.3472, 79.2365, 103.9455



87.8902, 79.2365, 86.8626

Square

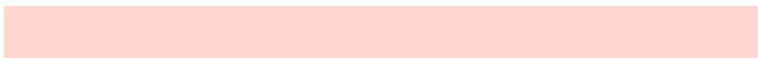
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3472, 79.2365, 103.9455



81.2526, 79.2365, 119.7602



86.2414, 79.2365, 70.7301



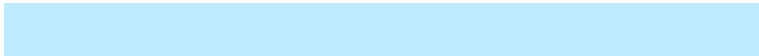
69.6681, 79.2365, 59.6974

Rectangle

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



65.3472, 79.2365, 103.9455



73.0604, 79.2365, 124.3799



86.2414, 79.2365, 70.7301



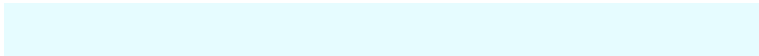
77.6092, 79.2365, 56.8753

Sweetspot

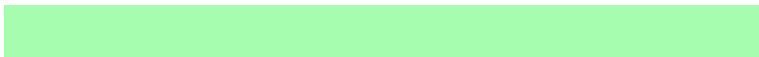
The Sweet Spot groups the original color and five complimentary colors.



65.3496, 79.2396, 103.9473



85.4377, 93.7900, 108.2080



58.2366, 80.8088, 52.8819



18.0190, 19.8992, 23.1412



0.0000, 0.0000, 0.0000



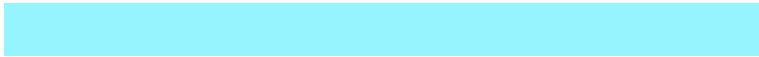
20.3446, 21.4041, 23.3091

Same Dimension

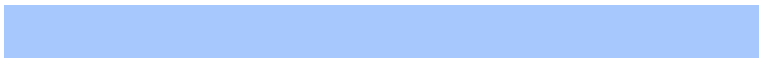
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3496, 79.2396, 103.9473



63.0799, 78.4854, 106.4323



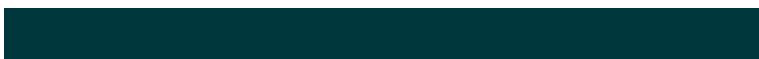
54.0454, 56.6313, 100.1793



17.6016, 19.2800, 22.1790



23.3329, 32.0214, 52.9245



2.2043, 3.0522, 4.9161

Inverse Universe

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



69.9607, 54.4409, 91.6184



68.5568, 49.7520, 91.6269



71.9972, 73.3860, 46.4485



17.9102, 17.4914, 21.3828



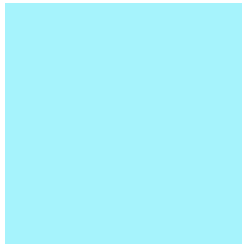
28.0694, 13.6435, 38.6695



2.6215, 1.2724, 3.6964

Previews

White Background



This preview shows how the XYZ color 65.3472, 79.2365, 103.9455 looks on a white background.

Color Contrast Check

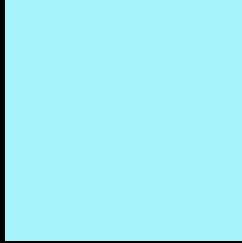
Large Text (above 18pt) WCAG AA × Fail

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 65.3472, 79.2365, 103.9455 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 65.3472, 79.2365, 103.9455

Background



This preview shows how black text looks on a background with the XYZ color 65.3472, 79.2365, 103.9455.

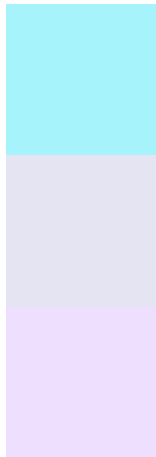


This preview shows how white text looks on a background with the XYZ color 65.3472, 79.2365,

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

65.3472, 79.2365, 103.9455

Protanopia

76.2342, 78.6159, 95.9504

Deuteranopia

80.0343, 78.3461, 105.5118



Tritanopia

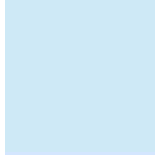
68.2079, 78.8981, 106.2417

Trichromacy



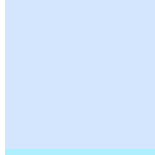
Original Color

65.3472, 79.2365, 103.9455



Protanomaly

71.2271, 78.0535, 98.5005



Deuteranomaly

73.3376, 77.7464, 104.9072



Tritanomaly

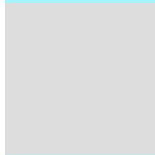
66.9540, 78.7060, 105.4289

Monochromacy



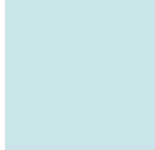
Original Color

65.3472, 79.2365, 103.9455



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.6722, 74.2823, 87.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3472, 79.2365, 103.9455 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(166, 243, 252)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 252)  
}
```

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(166, 243, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 252) }
```

Border

The CSS property to change the border of an element to XYZ 65.3472, 79.2365, 103.9455 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(166, 243, 252) }
```


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

```
.border{ border-color:rgb(166, 243, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 243, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 243, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 243, 252);  
box-shadow:4px 4px 4px 4px rgb(166, 243,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3472, 79.2365, 103.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 243, 252) }
```

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

```
.background{ background-color: rgb(166,  
243, 252) }
```

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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