

Converting Colors

XYZ(73.7565, 100.0000,
98.0661)

Have a look what the booklet for
XYZ(73.7565, 100.0000, 98.0661)
contains.

XYZ(66.5924, 85.5978, 95.4503)	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(66.5924, 85.5978,
95.4503)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFF0
RGB	163, 255, 240
RGB Percent	64%, 100%, 94%
CMY	0.3608, 0.0000, 0.0588
CMYK	0.36, 0.00, 0.06, 0.00
HSL	170°, 100%, 82%
HSV	170°, 36%, 100%
XYZ	66.5924, 85.5978, 95.4503
YIQ	225.7820, -50.0170, -24.1690

Conversions

Conversions Part 2

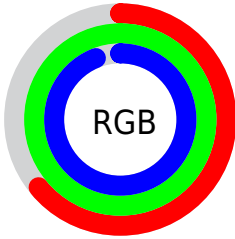
Format	Color
R _Y B	163, 213, 255
Decimal	10747888
CIE Lab	94.14, -30.66, -1.52
CIE LCh	94, 30.695, 182.829
Yxy	85.5978, 0.2689, 0.3457
Android (android.graphics.Color)	4288937968 (0xFFFA3FFF0)
YUV	225.7820, 7.0095, -55.0598
Hunter-Lab	92.5191, -33.4296, 3.5949

Details

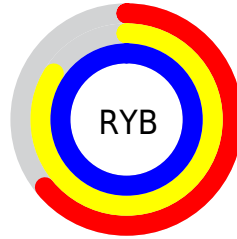
The XYZ color **66.5924, 85.5978, 95.4503** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.3738, 50.6700, 48.6131**, and the grayscale version is **72.1081, 75.8634, 82.6152**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **34.9092, 46.9747, 52.5745** is the 20% darker color. If you saturate the color by 10%, you get **61.2770, 82.9281, 92.0156**, and if you desaturate by 10%, it is **72.9765, 88.8167, 99.0117**.

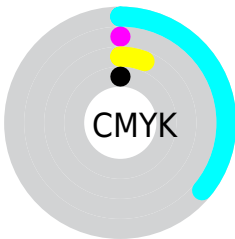
Distribution



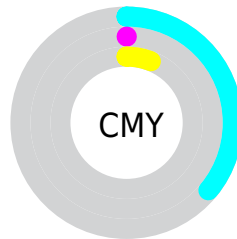
- Red (64%)
- Green (100%)
- Blue (94%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5924, 85.5978, 95.4503 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 66.5924, 85.5978, 95.4503 by changing the saturation by 10% instead.

66.5924, 85.5978,
95.4503

66.5924, 85.5978,
95.4503

437.9478,
513.6041, 566.6267

49.0229, 64.3354,
71.9109

113.3892,
141.2081, 156.8875

34.8523, 46.9224,
52.5995

143.3472,
176.3248, 195.6223

23.7151, 32.9743,
37.0976

178.1655,
216.8284, 240.2594

15.2460, 22.1068,
24.9867

218.2094,
263.1034, 291.2172

9.0797, 13.9354,
15.8482

263.8442,
315.5340, 348.9143

4.8507, 8.0757,
9.2636

315.4353,

2.1938, 4.1434,

374.5048, 413.7692

4.8144

373.3481,
440.4000, 486.2005

■ 0.7395, 1.7541,
2.0819

■ 0.0000, 0.4583,
0.6050

■ 66.5924, 85.5978,
95.4503

■ 66.5924, 85.5978,
95.4503

■ 61.2770, 82.9281,
92.0156

■ 72.9765, 88.8167,
99.0117

■ 56.9636, 80.7734,
88.6998

■ 80.4849, 92.6136,
102.6987

■ 53.5827, 79.0978,
85.5005

■ 89.1726, 97.0168,
106.5156

■ 51.0543, 77.8601,
82.4135

95.0500, 100.0000,
108.9000

■ 49.2849, 77.0120,
79.4339

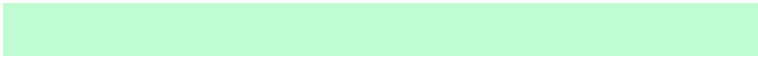
■ 48.1585, 76.4938,
76.5559

■ 47.8246, 76.3458,
75.4513

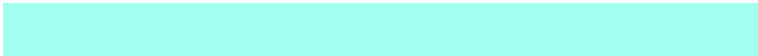
Harmonies

Analogous

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



68.1107, 85.5978, 74.0493



66.5924, 85.5978, 95.4503



68.8050, 85.5978, 119.9136

Triad

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



66.5924, 85.5978, 95.4503



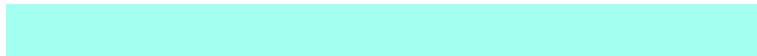
90.2170, 85.5978, 136.5703



88.7792, 85.5978, 58.4982

Complementary

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



66.5924, 85.5978, 95.4503



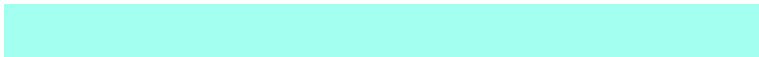
62.3738, 50.6700, 48.6131

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.



95.3521, 85.5978, 70.7837



66.5924, 85.5978, 95.4503



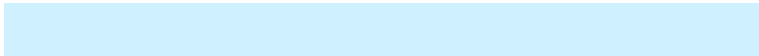
96.2207, 85.5978, 115.4003

Square

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



66.5924, 85.5978, 95.4503



82.1396, 85.5978, 146.0215



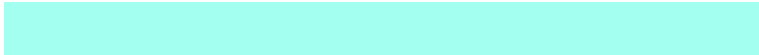
98.1596, 85.5978, 90.9882



80.5816, 85.5978, 54.9566

Rectangle

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



66.5924, 85.5978, 95.4503



72.1911, 85.5978, 134.0527



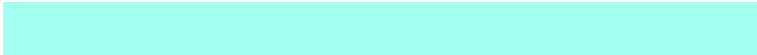
98.1596, 85.5978, 90.9882



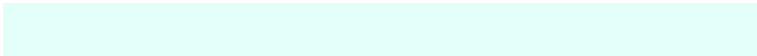
91.2701, 85.5978, 61.6274

Sweetspot

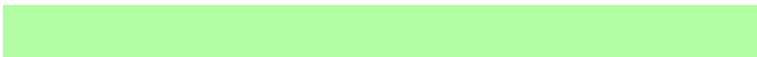
The Sweet Spot groups the original color and five complimentary colors.



66.5934, 85.5983, 95.4518



84.7452, 94.7717, 104.6202



60.8085, 83.6692, 47.5967



17.8890, 20.1584, 22.2825



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

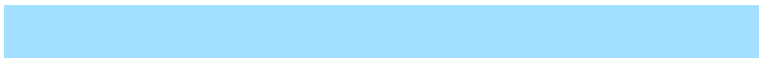
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5934, 85.5983, 95.4518



62.8030, 83.6933, 93.0600



59.9005, 68.4981, 104.6721



18.4202, 20.4276, 22.5155



25.0367, 39.9113, 39.6742



2.4702, 3.8990, 4.0338

Inverse Universe

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



62.3738, 50.6700, 48.6131



58.0501, 44.2704, 40.2421



67.0693, 62.3408, 43.1499



18.1301, 18.0354, 19.3025



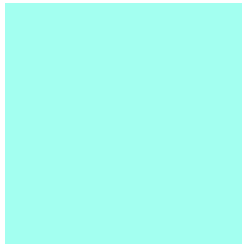
21.7985, 11.2087, 2.3233



2.1551, 1.1044, 0.3981

Previews

White Background



This preview shows how the XYZ color 66.5924, 85.5978, 95.4503 looks on a white background.

Color Contrast Check

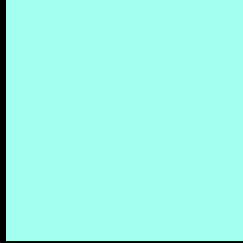
Large Text (above 18pt) WCAG AA × Fail

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 66.5924, 85.5978, 95.4503 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

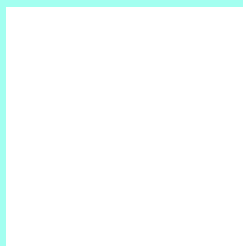
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5924, 85.5978, 95.4503

Background



This preview shows how black text looks on a background with the XYZ color 66.5924, 85.5978, 95.4503.



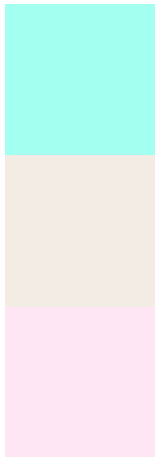
This preview shows how white text looks on a background with the XYZ color 66.5924, 85.5978,

95.4503.

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

66.5924, 85.5978, 95.4503

Protanopia

81.1005, 84.7027, 86.2036

Deuteranopia

86.0182, 84.4462, 98.1523



Tritanopia

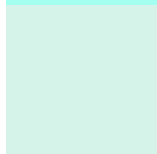
75.8543, 85.0432, 107.0248

Trichromacy



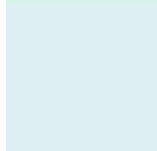
Original Color

66.5924, 85.5978, 95.4503



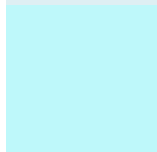
Protanomaly

74.4901, 84.2805, 89.4325



Deuteranomaly

77.1684, 83.7337, 96.8890



Tritanomaly

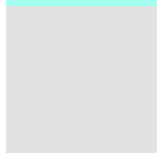
72.0579, 84.9841, 103.0482

Monochromacy



Original Color

66.5924, 85.5978, 95.4503



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.3366, 79.0344, 87.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5924, 85.5978, 95.4503 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(163, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 240)  
}
```

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(163, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 66.5924, 85.5978, 95.4503 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(163, 255, 240) }
```


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

```
.border{ border-color:rgb(163, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 255, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 255, 240); box-shadow:4px 4px 4px 4px rgb(163, 255, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5924, 85.5978, 95.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 240) }
```

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

```
.background{ background-color: rgb(163,  
255, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor