

# Converting Colors

XYZ(66.5395, 85.4835, 99.3792)

Have a look what the booklet for  
XYZ(66.5395, 85.4835, 99.3792)  
contains.

<b>XYZ(66.5395, 85.4835, 99.3792)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(66.5395, 85.4835,  
99.3792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FFFF5
RGB	159, 255, 245
RGB Percent	62%, 100%, 96%
CMY	0.3765, 0.0000, 0.0392
CMYK	0.38, 0.00, 0.04, 0.00
HSL	174°, 100%, 81%
HSV	174°, 38%, 100%
XYZ	66.5395, 85.4835, 99.3792
YIQ	225.1560, -54.0060, -23.4620

# Conversions

## Conversions Part 2

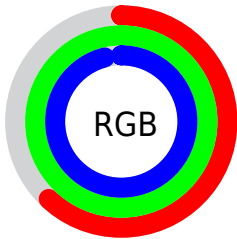
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 210, 255
Decimal	10485749
CIE <sub>Lab</sub>	94.09, -30.56, -4.19
CIE <sub>LCh</sub>	94, 30.850, 187.808
Yxy	85.4835, 0.2647, 0.3400
Android (android.graphics.Color)	4288675829 (0xFF9FFF5)
YUV	225.1560, 9.7831, -58.0188
Hunter-Lab	92.4573, -33.3377, 0.9913

# Details

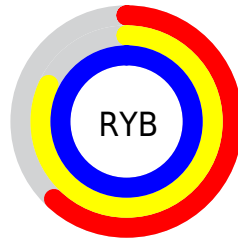
The XYZ color **66.5395, 85.4835, 99.3792** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8004, 48.9222, 43.7754**, and the grayscale version is **71.6400, 75.3708, 82.0789**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **34.8589, 46.8871, 55.3570** is the 20% darker color. If you saturate the color by 10%, you get **61.5916, 82.9793, 97.0475**, and if you desaturate by 10%, it is **72.5383, 88.5288, 101.7934**.

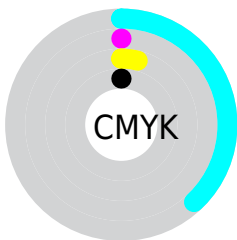
# Distribution



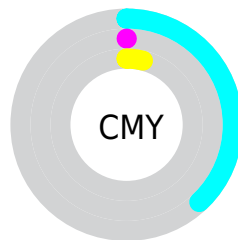
- Red (62%)
- Green (100%)
- Blue (96%)



- Red (62%)
- Yellow (82%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5395, 85.4835, 99.3792 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 66.5395, 85.4835, 99.3792 by changing the saturation by 10% instead.



66.5395, 85.4835,  
99.3792

66.5395, 85.4835,  
99.3792

437.7621,  
513.2266, 579.4302

48.9798, 64.2410,  
75.1682

113.3138,  
141.0485, 162.3482

34.8179, 46.8459,  
55.2481

143.2590,  
176.1398, 201.9433

23.6885, 32.9138,  
39.2005

178.0635,  
216.6160, 247.5035

15.2262, 22.0604,  
26.6067

218.0927,  
262.8617, 299.4474

9.0656, 13.9013,  
17.0482

263.7117,  
315.2612, 358.1935

4.8415, 8.0521,  
10.1066

315.2861,

2.1884, 4.1283,

374.1989, 424.1602

5.3631

373.1811,  
440.0593, 497.7663

0.7366, 1.7456,  
2.3994

0.0000, 0.4529,  
0.7861

66.5395, 85.4835,  
99.3792

66.5395, 85.4835,  
99.3792

61.5916, 82.9793,  
97.0475

72.5383, 88.5288,  
101.7934

57.6270, 80.9812,  
94.7906

79.6439, 92.1440,  
104.2884

54.5747, 79.4529,  
92.6066

87.9123, 96.3579,  
106.8684

52.3533, 78.3523,  
90.4914

95.0500, 100.0000,  
108.9000

■ 50.8665, 77.6296,  
88.4405

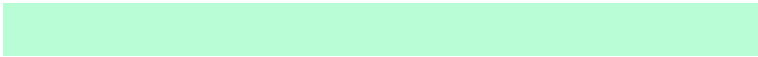
■ 49.9873, 77.2196,  
86.4478

■ 49.8250, 77.1460,  
85.9851

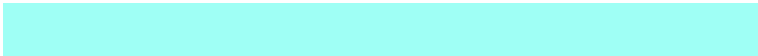
# Harmonies

## Analogous

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



67.4425, 85.4835, 76.9659



66.5395, 85.4835, 99.3792



69.3617, 85.4835, 123.7610

# Triad

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



66.5395, 85.4835, 99.3792



91.3558, 85.4835, 133.7341



87.3832, 85.4835, 57.0625

# Complementary

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



66.5395, 85.4835, 99.3792



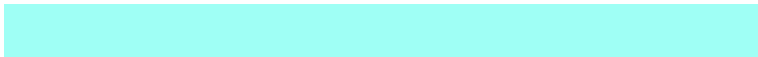
60.8004, 48.9222, 43.7754

# 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.



94.4234, 85.4835, 67.9365



66.5395, 85.4835, 99.3792



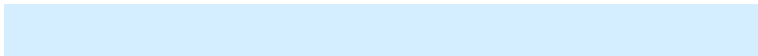
96.8229, 85.4835, 111.2928

# Square

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



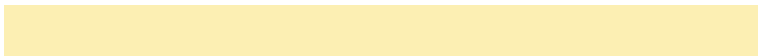
66.5395, 85.4835, 99.3792



83.4212, 85.4835, 145.6676



97.9819, 85.4835, 87.0470



79.1158, 85.4835, 54.9661



# Rectangle

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



66.5395, 85.4835, 99.3792



73.0961, 85.4835, 137.0074



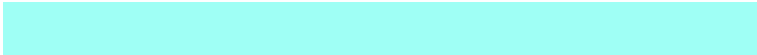
97.9819, 85.4835, 87.0470



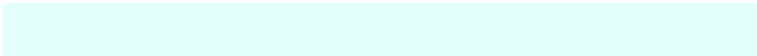
89.9877, 85.4835, 59.7114

# Sweetspot

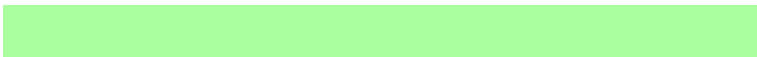
The Sweet Spot groups the original color and five complimentary colors.



66.5405, 85.4840, 99.3807



85.0059, 94.8760, 105.9934



58.6399, 82.5921, 45.6538



17.9515, 20.1834, 22.6118



0.0000, 0.0000, 0.0000

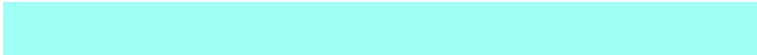


20.3446, 21.4041, 23.3091

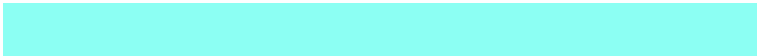


# Same Dimension

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



66.5405, 85.4840, 99.3807



62.8024, 83.5912, 97.6572



57.4725, 64.8387, 104.0937



18.4685, 20.4469, 22.7702



26.0677, 40.3237, 45.1031



2.5606, 3.9352, 4.5099



# Inverse Universe

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



60.8004, 48.9222, 43.7754



56.3387, 42.3629, 34.9998



67.1937, 63.1541, 41.4510



18.0862, 18.0178, 19.0713



21.6743, 11.1590, 1.6696

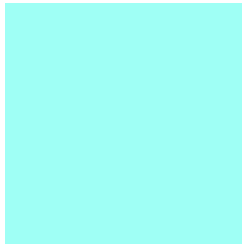


2.1345, 1.0962, 0.2897



# Previews

## White Background



This preview shows how the XYZ color 66.5395, 85.4835, 99.3792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

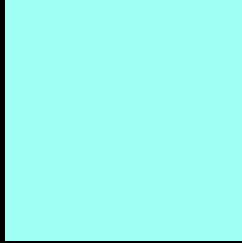
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.5395, 85.4835, 99.3792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

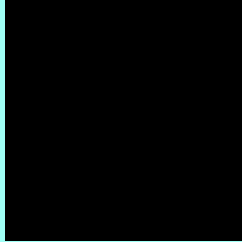
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

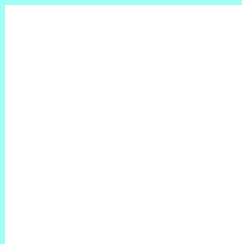
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.5395, 85.4835, 99.3792

## Background



This preview shows how black text looks on a background with the XYZ color 66.5395, 85.4835, 99.3792.



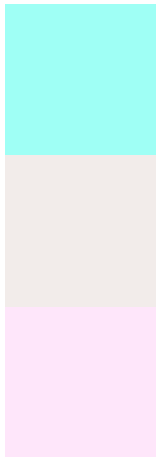
This preview shows how white text looks on a background with the XYZ color 66.5395, 85.4835,



# 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

66.5395, 85.4835, 99.3792

### Protanopia

81.4647, 84.8087, 89.9180

### Deuteranopia

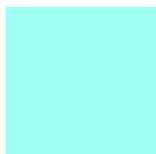
86.4252, 84.5666, 102.2104



## Tritanopia

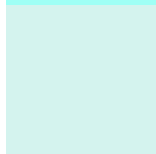
75.5775, 84.9005, 107.0118

# Trichromacy



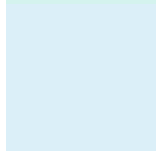
## Original Color

66.5395, 85.4835, 99.3792



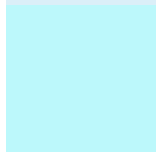
## Protanomaly

74.6346, 84.2713, 93.2212



## Deuteranomaly

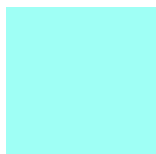
77.0232, 83.5704, 100.8781



## Tritanomaly

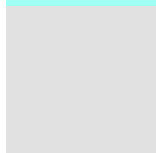
71.7190, 84.7912, 103.8531

# Monochromacy



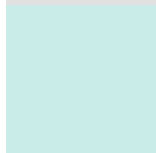
## Original Color

66.5395, 85.4835, 99.3792



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.6483, 78.2346, 87.8266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5395, 85.4835, 99.3792 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(159, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5395, 85.4835, 99.3792 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(159, 255, 245) }
```



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

```
.border{ border-color:rgb(159, 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(159, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5395, 85.4835, 99.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 245) }
```

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

```
.background{ background-color: rgb(159,  
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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