

# Converting Colors

XYZ(73.6175, 100.0000,  
102.1385)

Have a look what the booklet for  
XYZ(73.6175, 100.0000, 102.1385)  
contains.

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# Color

**XYZ(66.1461, 85.2807,  
99.3608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFFF5
RGB	157, 255, 245
RGB Percent	62%, 100%, 96%
CMY	0.3843, 0.0000, 0.0392
CMYK	0.38, 0.00, 0.04, 0.00
HSL	174°, 100%, 81%
HSV	174°, 38%, 100%
XYZ	66.1461, 85.2807, 99.3608
YIQ	224.5580, -55.1980, -23.8860

# Conversions

## Conversions Part 2

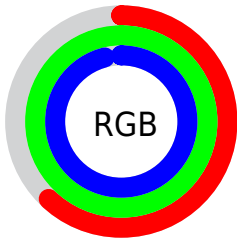
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 209, 255
Decimal	10354677
CIELab	94.00, -31.06, -4.33
CIELCh	94, 31.365, 187.933
Yxy	85.2807, 0.2638, 0.3401
Android (android.graphics.Color)	4288544757 (0xFF9DFFF5)
YUV	224.5580, 10.0779, -59.2484
Hunter-Lab	92.3476, -33.7534, 0.8506

# Details

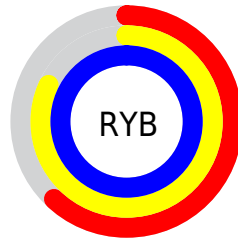
The XYZ color **66.1461, 85.2807, 99.3608** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.2729, 48.1654, 42.6804**, and the grayscale version is **71.2094, 74.9178, 81.5855**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **34.6349, 46.7716, 55.3465** is the 20% darker color. If you saturate the color by 10%, you get **61.2855, 82.8205, 97.0758**, and if you desaturate by 10%, it is **72.0525, 88.2793, 101.7268**.

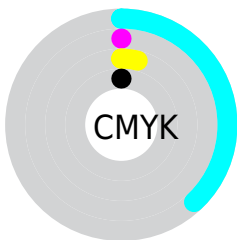
# Distribution



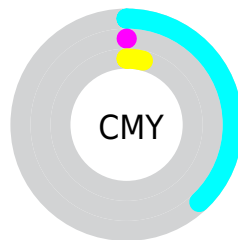
- Red (62%)
- Green (100%)
- Blue (96%)



- 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 66.1461, 85.2807, 99.3608 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 66.1461, 85.2807, 99.3608 by changing the saturation by 10% instead.





 66.1461, 85.2807,  
99.3608


 66.1461, 85.2807,  
99.3608


436.3796,  
512.5564, 579.3706

 48.6592, 64.0733,  
75.1529


 112.7526,  
140.7653, 162.3227

 34.5626, 46.7101,  
55.2357


 142.6028,  
175.8113, 201.9138

 23.4911, 32.8065,  
39.1906


177.3048,  
216.2390, 247.4697

 15.0792, 21.9783,  
26.5990

217.2240,  
262.4328, 299.4090

 8.9617, 13.8409,  
17.0426

262.7258,  
314.7770, 358.1502

 4.7731, 8.0101,  
10.1026

314.1754,

 2.1481, 4.1014,

373.6561, 424.1118

5.3605

371.9382,  
439.4544, 497.7124

■ 0.7152, 1.7305,  
2.3979

■ 0.0000, 0.4433,  
0.7853

■ 66.1461, 85.2807,  
99.3608

■ 66.1461, 85.2807,  
99.3608

■ 61.2855, 82.8205,  
97.0758

■ 72.0525, 88.2793,  
101.7268

■ 57.4026, 80.8637,  
94.8641

■ 79.0611, 91.8455,  
104.1723

■ 54.4258, 79.3734,  
92.7237

■ 87.2279, 96.0081,  
106.7013

■ 52.2727, 78.3071,  
90.6507

95.0500, 100.0000,  
108.9000

■ 50.8456, 77.6144,  
88.6404

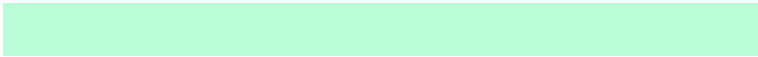
■ 50.0078, 77.2249,  
86.6862

■ 49.9005, 77.1762,  
86.3830

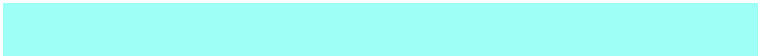
# Harmonies

## Analogous

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



67.0447, 85.2807, 76.6022



66.1461, 85.2807, 99.3608



69.0201, 85.2807, 124.1529

# Triad

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



66.1461, 85.2807, 99.3608



91.3529, 85.2807, 134.1365



87.2513, 85.2807, 56.3717

# Complementary

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



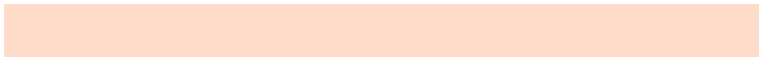
66.1461, 85.2807, 99.3608



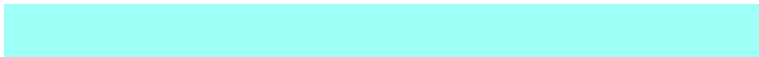
60.2729, 48.1654, 42.6804

# 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.



94.4173, 85.2807, 67.3177



66.1461, 85.2807, 99.3608



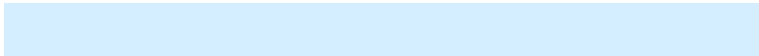
96.8966, 85.2807, 111.2607

# Square

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



66.1461, 85.2807, 99.3608



83.2972, 85.2807, 146.3645



98.0550, 85.2807, 86.6418

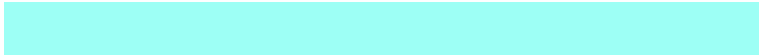


78.8568, 85.2807, 54.2944



# Rectangle

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



66.1461, 85.2807, 99.3608



72.8132, 85.2807, 137.6223



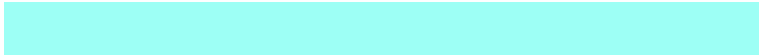
98.0550, 85.2807, 86.6418



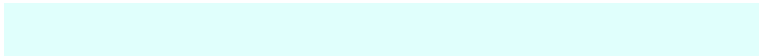
89.9001, 85.2807, 59.0323

# Sweetspot

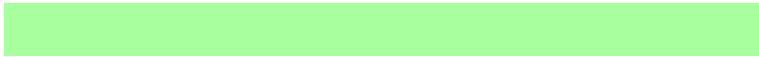
The Sweet Spot groups the original color and five complimentary colors.



66.1471, 85.2812, 99.3623



84.1760, 94.4518, 105.7886



58.0878, 82.3273, 44.7293



17.7863, 20.0989, 22.5722



0.0000, 0.0000, 0.0000

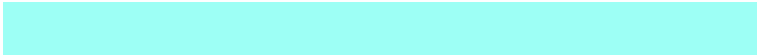


20.3446, 21.4041, 23.3091

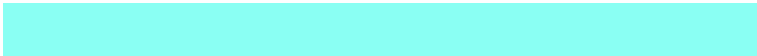


# Same Dimension

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



66.1471, 85.2812, 99.3623



62.3742, 83.3707, 97.6243



56.8805, 64.2387, 104.0091



18.4703, 20.4476, 22.7794



26.1066, 40.3392, 45.3080



2.5640, 3.9365, 4.5278



# Inverse Universe

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



60.2729, 48.1654, 42.6804



55.7638, 41.5423, 33.7934



66.7449, 62.5319, 40.4521



18.0847, 18.0172, 19.0630



21.6708, 11.1576, 1.6507

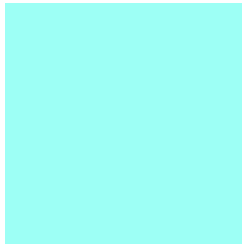


2.1338, 1.0959, 0.2858



# Previews

## White Background



This preview shows how the XYZ color 66.1461, 85.2807, 99.3608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

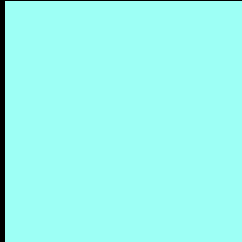
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1461, 85.2807, 99.3608 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 66.1461, 85.2807, 99.3608

## Background



This preview shows how black text looks on a background with the XYZ color 66.1461, 85.2807, 99.3608.



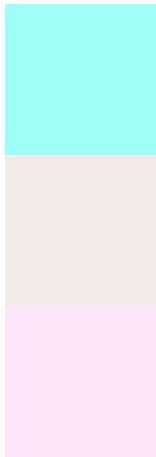
This preview shows how white text looks on a background with the XYZ color 66.1461, 85.2807,



# 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

66.1461, 85.2807, 99.3608

### Protanopia

80.8352, 84.0579, 89.8062

### Deuteranopia

86.0601, 84.3784, 102.1933



## Tritanopia

75.0293, 84.6179, 106.9862

# Trichromacy



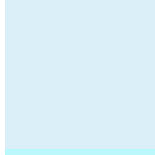
## Original Color

66.1461, 85.2807, 99.3608



## Protanomaly

73.7631, 83.3789, 93.0949



## Deuteranomaly

76.7232, 83.4157, 100.8640



## Tritanomaly

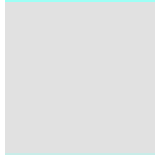
71.2297, 84.5389, 103.8302

# Monochromacy



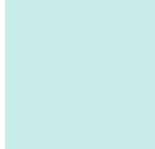
## Original Color

66.1461, 85.2807, 99.3608



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.3804, 78.0965, 87.8140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1461, 85.2807, 99.3608 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(157, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1461, 85.2807, 99.3608 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(157, 255, 245) }
```



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

```
.border{ border-color:rgb(157, 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(157, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1461, 85.2807, 99.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 245) }
```

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

```
.background{ background-color: rgb(157,  
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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