

Converting Colors

XYZ(66.7684, 84.0089,
107.3146)

Have a look what the booklet for
XYZ(66.7684, 84.0089, 107.3146)
contains.

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Color

**XYZ(66.7650, 84.0089,
107.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFCFF
RGB	157, 252, 255
RGB Percent	62%, 99%, 100%
CMY	0.3843, 0.0117, 0.0000
CMYK	0.38, 0.01, 0.00, 0.00
HSL	182°, 100%, 81%
HSV	182°, 38%, 100%
XYZ	66.7650, 84.0089, 107.3042
YIQ	223.9370, -57.5830, -19.2070

Conversions

Conversions Part 2

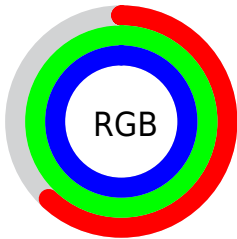
Format	Color
RYB	157, 205, 255
Decimal	10353919
CIELab	93.45, -27.32, -10.31
CIELCh	93, 29.201, 200.684
Yxy	84.0089, 0.2587, 0.3255
Android (android.graphics.Color)	4288543999 (0xFF9DFCFF)
YUV	223.9370, 15.3141, -58.7037
Hunter-Lab	91.6564, -30.3744, -5.2527

Details

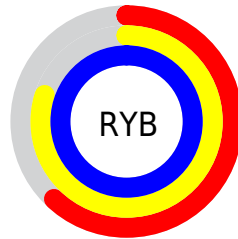
The XYZ color **66.7650, 84.0089, 107.3042** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.8969, 48.8360, 38.1695**, and the grayscale version is **70.7320, 74.4156, 81.0386**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **34.8537, 45.7601, 60.4217** is the 20% darker color. If you saturate the color by 10%, you get **62.0558, 81.2206, 107.0142**, and if you desaturate by 10%, it is **72.5178, 87.3408, 107.6441**.

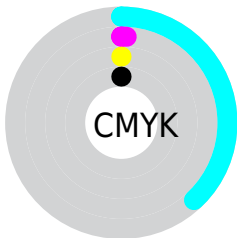
Distribution



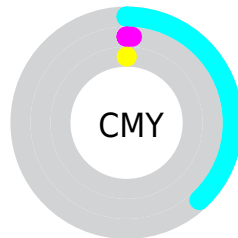
- Red (62%)
- Green (99%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7650, 84.0089, 107.3042 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 66.7650, 84.0089, 107.3042 by changing the saturation by 10% instead.

 66.7650, 84.0089,
107.3042


 66.7650, 84.0089,
107.3042


438.5535,
508.3428, 604.8109

 49.1637, 63.0228,
81.7637


 113.6353,
138.9876, 173.2983

 34.9644, 45.8596,
60.6361


 143.6349,
173.7490, 214.5889

 23.8018, 32.1351,
43.5029


178.4981,
213.8710, 261.9666

 15.3106, 21.4647,
29.9456

218.5900,
259.7379, 315.8500

 9.1254, 13.4641,
19.5456

264.2762,
311.7341, 376.6576

 4.8808, 7.7489,
11.8844

315.9219,

 2.2116, 3.9347,

370.2441, 444.8079

6.5434

373.8926,
435.6522, 520.7195

■ 0.7488, 1.6371,
3.1041

■ 0.0000, 0.3824,
1.1481

■ 66.7650, 84.0089,
107.3042

■ 66.7650, 84.0089,
107.3042

■ 62.0558, 81.2206,
107.0142

■ 72.5178, 87.3408,
107.6441

■ 58.3185, 78.9328,
106.7696

■ 79.3670, 91.2373,
108.0352

■ 55.4829, 77.1113,
106.5675

■ 87.3698, 95.7301,
108.4806

■ 53.4664, 75.7135,
106.4039

95.0500, 100.0000,
108.9000

■ 52.1714, 74.6892,
106.2745

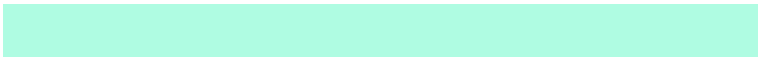
■ 51.4611, 73.9678,
106.1727

■ 51.3735, 73.8670,
106.1578

Harmonies

Analogous

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



66.0926, 84.0089, 84.7687



66.7650, 84.0089, 107.3042



70.8177, 84.0089, 128.4120

Triad

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



66.7650, 84.0089, 107.3042



91.8766, 84.0089, 121.0984



82.2721, 84.0089, 55.6425

Complementary

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



66.7650, 84.0089, 107.3042



59.8969, 48.8360, 38.1695

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.



89.6150, 84.0089, 62.3962



66.7650, 84.0089, 107.3042



95.3905, 84.0089, 98.5184

Square

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



66.7650, 84.0089, 107.3042



85.2002, 84.0089, 137.2238



94.5372, 84.0089, 77.2781



74.7247, 84.0089, 57.2201

Rectangle

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



66.7650, 84.0089, 107.3042



75.0435, 84.0089, 137.6789



94.5372, 84.0089, 77.2781



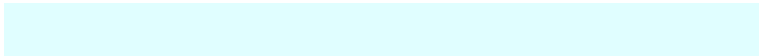
84.8532, 84.0089, 56.9667

Sweetspot

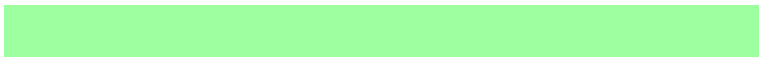
The Sweet Spot groups the original color and five complimentary colors.



66.7672, 84.0121, 107.3047



84.3769, 94.0559, 108.3152



55.8920, 81.1791, 45.3595



17.8339, 20.0049, 23.1713



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.



66.7672, 84.0121, 107.3047



63.1084, 81.8512, 107.0804



53.6361, 57.7498, 102.9276



18.5045, 20.3805, 23.2085



26.8651, 38.6397, 55.4769



2.6302, 3.7910, 5.4064

Inverse Universe

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



70.8691, 52.4039, 98.4789



67.7635, 46.3422, 96.9830



69.7932, 68.6286, 41.4683



18.7673, 18.2902, 22.6576



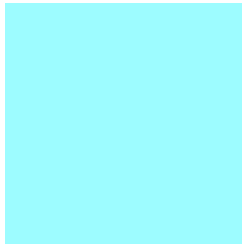
30.3484, 14.6287, 47.3468



2.9622, 1.4272, 4.6482

Previews

White Background



This preview shows how the XYZ color 66.7650, 84.0089, 107.3042 looks on a white background.

Color Contrast Check

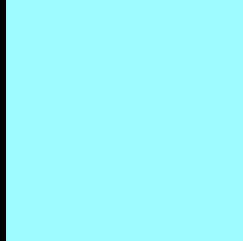
Large Text (above 18pt) WCAG AA × Fail

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 66.7650, 84.0089, 107.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

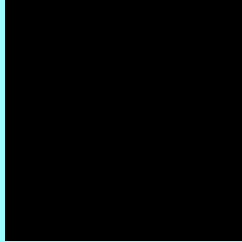
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7650, 84.0089, 107.3042

Background



This preview shows how black text looks on a background with the XYZ color 66.7650, 84.0089, 107.3042.

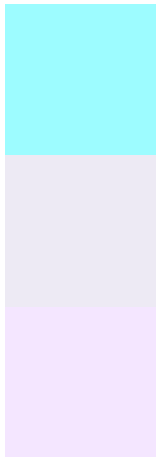


This preview shows how white text looks on a background with the XYZ color 66.7650, 84.0089,

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

66.7650, 84.0089, 107.3042

Protanopia

80.6770, 83.3818, 97.4301

Deuteranopia

83.6550, 83.0467, 106.2283



Tritanopia

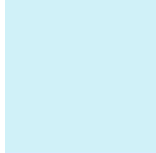
73.3893, 83.3270, 106.8234

Trichromacy



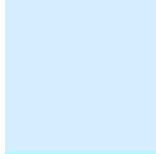
Original Color

66.7650, 84.0089, 107.3042



Protanomaly

74.4110, 83.0978, 100.9245



Deuteranomaly

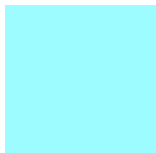
75.7759, 82.3661, 106.5122



Tritanomaly

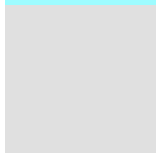
70.5342, 83.1988, 106.9492

Monochromacy



Original Color

66.7650, 84.0089, 107.3042



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.2376, 77.1232, 89.8870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7650, 84.0089, 107.3042 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 252, 255)  
}
```

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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.7650, 84.0089, 107.3042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

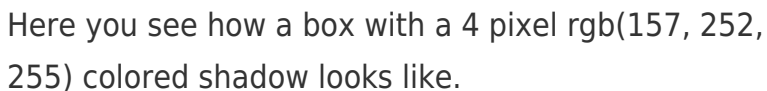
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 252, 255) }
```


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

```
.border{ border-color:rgb(157, 252, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 252, 255); box-shadow:4px 4px 4px 4px rgb(157, 252, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7650, 84.0089, 107.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 252, 255) }
```

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

```
.background{ background-color: rgb(157,  
252, 255) }
```

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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