

Converting Colors

XYZ(66.8552, 85.4757,
107.1023)

Have a look what the booklet for
XYZ(66.8552, 85.4757, 107.1023)
contains.

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Color

**XYZ(66.7863, 85.4481,
106.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFFE
RGB	153, 255, 254
RGB Percent	60%, 100%, 100%
CMY	0.4000, 0.0000, 0.0039
CMYK	0.40, 0.00, 0.00, 0.00
HSL	179°, 100%, 80%
HSV	179°, 40%, 100%
XYZ	66.7863, 85.4481, 106.7390
YIQ	224.3880, -60.4710, -21.9350

Conversions

Conversions Part 2

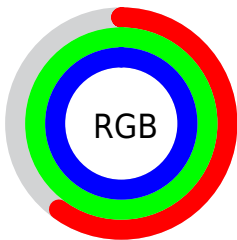
Format	Color
R_{YB}	153, 204, 255
Decimal	10092542
CIE _{Lab}	94.08, -29.95, -8.89
CIE _{LCh}	94, 31.242, 196.537
Yxy	85.4481, 0.2579, 0.3299
Android (android.graphics.Color)	4288282622 (0xFF99FFFE)
YUV	224.3880, 14.5987, -62.6073
Hunter-Lab	92.4381, -32.8010, -3.7559

Details

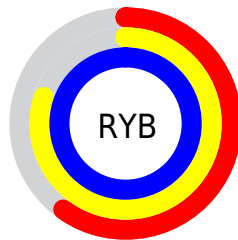
The XYZ color **66.7863, 85.4481, 106.7390** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.4650, 46.3772, 36.4434**, and the grayscale version is **71.0591, 74.7598, 81.4134**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.9914, 46.8523, 60.0225** is the 20% darker color. If you saturate the color by 10%, you get **62.4375, 83.2108, 106.3284**, and if you desaturate by 10%, it is **72.1658, 88.2167, 107.2010**.

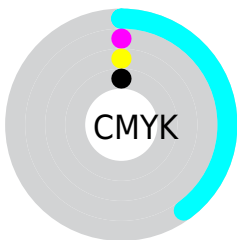
Distribution



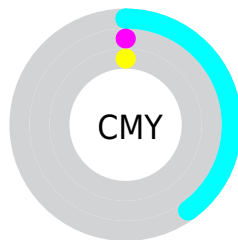
- Red (60%)
- Green (100%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7863, 85.4481, 106.7390 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 66.7863, 85.4481, 106.7390 by changing the saturation by 10% instead.

66.7863, 85.4481,
106.7390

66.7863, 85.4481,
106.7390

438.6282,
513.1096, 603.0194

49.1810, 64.2117,
81.2922

113.6656,
140.9991, 172.5201

34.9782, 46.8222,
60.2499

143.6704,
176.0824, 213.6914

23.8125, 32.8951,
43.1935

178.5391,
216.5502, 260.9414

15.3186, 22.0461,
29.7044

218.6370,
262.7869, 314.6886

9.1311, 13.8908,
19.3642

264.3295,
315.1767, 375.3514

4.8846, 8.0447,
11.7543

315.9820,

2.2138, 4.1236,

374.1042, 443.3484

6.4561

373.9597,
439.9537, 519.0983

0.7500, 1.7429,
3.0511

0.0000, 0.4512,
1.1208

66.7863, 85.4481,
106.7390

66.7863, 85.4481,
106.7390

62.4375, 83.2108,
106.3284

72.1658, 88.2167,
107.2010

59.0498, 81.4690,
105.9616

78.6328, 91.5459,
107.7128

56.5507, 80.1852,
105.6367

86.2442, 95.4651,
108.2783

54.8556, 79.3160,
105.3496

95.0500, 100.0000,
108.9000

■ 53.8639, 78.8093,
105.0958

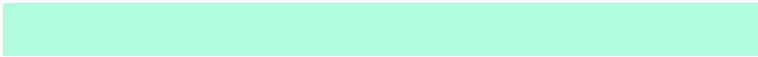
■ 53.4108, 78.5803,
104.8674

■ 53.4107, 78.5803,
104.8673

Harmonies

Analogous

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



66.5910, 85.4481, 82.7457



66.7863, 85.4481, 106.7390



70.6720, 85.4481, 130.5315

Triad

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



66.7863, 85.4481, 106.7390



93.4260, 85.4481, 128.3595



85.0087, 85.4481, 55.1255

Complementary

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



66.7863, 85.4481, 106.7390



58.4650, 46.3772, 36.4434

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.



92.7595, 85.4481, 63.5149



66.7863, 85.4481, 106.7390



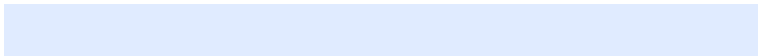
97.8391, 85.4481, 104.1512

Square

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



66.7863, 85.4481, 106.7390



85.8685, 85.4481, 144.4022



97.5871, 85.4481, 80.5635



76.7344, 85.4481, 55.5768

Rectangle

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



66.7863, 85.4481, 106.7390



74.9940, 85.4481, 141.8721



97.5871, 85.4481, 80.5635



87.7727, 85.4481, 56.9343

Sweetspot

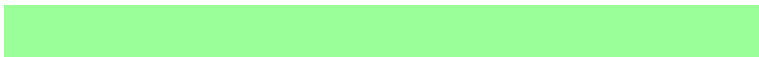
The Sweet Spot groups the original color and five complimentary colors.



66.7874, 85.4486, 106.7405



84.6264, 94.6320, 108.1607



54.9711, 80.7594, 42.8298



17.8931, 20.1416, 23.1347



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

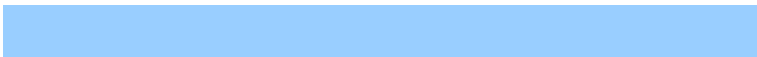
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7874, 85.4486, 106.7405



63.2275, 83.6171, 106.4070



53.1874, 57.9921, 102.9981



18.5468, 20.4782, 23.1823



27.9118, 41.0613, 54.8141



2.7201, 3.9990, 5.3496

Inverse Universe

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



58.4650, 46.3772, 36.4434



53.8619, 39.6413, 27.2932



68.1817, 65.9432, 39.2737



18.0166, 17.9900, 18.7047



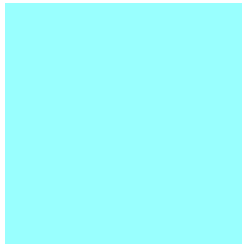
21.5590, 11.1129, 1.0625



2.1015, 1.0830, 0.1162

Previews

White Background



This preview shows how the XYZ color 66.7863, 85.4481, 106.7390 looks on a white background.

Color Contrast Check

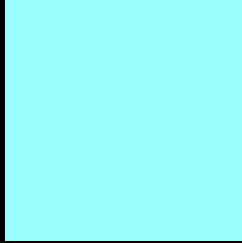
Large Text (above 18pt) WCAG AA × Fail

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 66.7863, 85.4481, 106.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

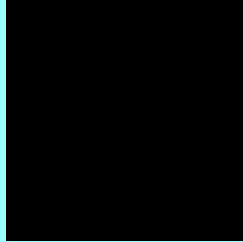
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7863, 85.4481, 106.7390

Background



This preview shows how black text looks on a background with the XYZ color 66.7863, 85.4481, 106.7390.

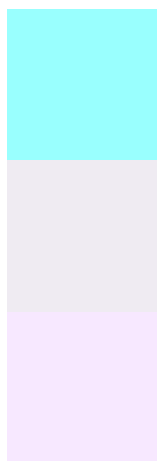


This preview shows how white text looks on a background with the XYZ color 66.7863, 85.4481,

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

66.7863, 85.4481, 106.7390

Protanopia

81.3319, 84.1782, 95.9658

Deuteranopia

85.2644, 84.7074, 106.4640



Tritanopia

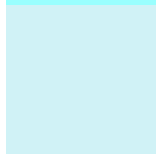
75.0293, 84.6179, 106.9862

Trichromacy



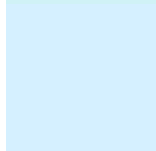
Original Color

66.7863, 85.4481, 106.7390



Protanomaly

74.3991, 83.5680, 99.3978



Deuteranomaly

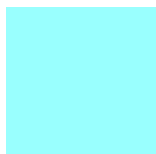
76.6507, 83.6863, 106.7209



Tritanomaly

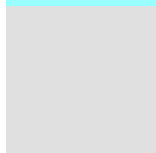
71.6250, 84.6691, 107.1755

Monochromacy



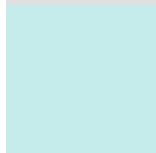
Original Color

66.7863, 85.4481, 106.7390



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9924, 77.4206, 89.9573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7863, 85.4481, 106.7390 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(153, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 254)  
}
```

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(153, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 66.7863, 85.4481, 106.7390 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(153, 255, 254) }
```


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

```
.border{ border-color:rgb(153, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 254); box-shadow:4px 4px 4px 4px rgb(153, 255, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7863, 85.4481, 106.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 254) }
```

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

```
.background{ background-color: rgb(153,  
255, 254) }
```

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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