

Converting Colors

XYZ(136.7671, 179.3148,
275.4766)

Have a look what the booklet for
XYZ(136.7671, 179.3148, 275.4766)
contains.

XYZ(66.2044, 85.1296, 107.5500)	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(66.2044, 85.1296,
107.5500)**

Conversions

Conversions Part 1

Format	Color
Hex	95FFFF
RGB	149, 255, 255
RGB Percent	58%, 100%, 100%
CMY	0.4157, 0.0000, 0.0000
CMYK	0.42, 0.00, 0.00, 0.00
HSL	180°, 100%, 79%
HSV	180°, 42%, 100%
XYZ	66.2044, 85.1296, 107.5500
YIQ	223.3060, -63.1760, -22.4720

Conversions

Conversions Part 2

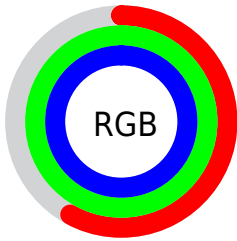
Format	Color
R_{YB}	149, 202, 255
Decimal	9830399
CIE _{Lab}	93.94, -30.65, -9.63
CIE _{LCh}	94, 32.132, 197.441
Yxy	85.1296, 0.2557, 0.3288
Android (android.graphics.Color)	4288020479 (0xFF95FFFF)
YUV	223.3060, 15.6251, -65.1664
Hunter-Lab	92.2657, -33.3840, -4.5257

Details

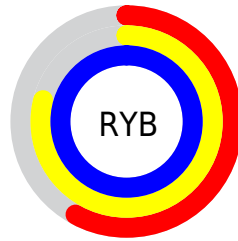
The XYZ color **66.2044, 85.1296, 107.5500** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4133, 44.9264, 34.0813**, and the grayscale version is **70.2814, 73.9416, 80.5223**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **34.6036, 46.6390, 60.6045** is the 20% darker color. If you saturate the color by 10%, you get **62.0507, 82.9883, 107.3557**, and if you desaturate by 10%, it is **71.3782, 87.7967, 107.7922**.

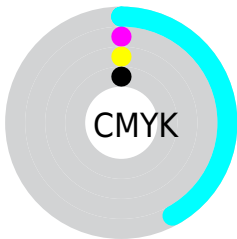
Distribution



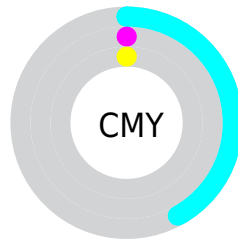
- Red (58%)
- Green (100%)
- Blue (100%)



- Red (58%)
- Yellow (79%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2044, 85.1296, 107.5500 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 66.2044, 85.1296, 107.5500 by changing the saturation by 10% instead.


 66.2044, 85.1296,
107.5500


 66.2044, 85.1296,
107.5500


436.5847,
512.0568, 605.5891

 48.7067, 63.9485,
81.9687


 112.8358,
140.5542, 173.6366

 34.6004, 46.6089,
60.8041


 142.7001,
175.5665, 214.9790

 23.5203, 32.7266,
43.6376


177.4173,
215.9580, 262.4122

 15.1010, 21.9171,
30.0506

217.3528,
262.1130, 316.3548

 8.9771, 13.7960,
19.6246

262.8720,
314.4160, 377.2252

 4.7832, 7.9789,
11.9411

314.3401,

 2.1541, 4.0815,

373.2514, 445.4420

6.5815

372.1225,
439.0035, 521.4238

■ 0.7184, 1.7192,
3.1274

■ 0.0000, 0.4361,
1.1600

■ 66.2044, 85.1296,
107.5500

■ 66.2044, 85.1296,
107.5500

■ 62.0507, 82.9883,
107.3557

■ 71.3782, 87.7967,
107.7922

■ 58.8475, 81.3369,
107.2058

■ 77.6306, 91.0200,
108.0848

■ 56.5202, 80.1372,
107.0968

■ 85.0188, 94.8287,
108.4305

■ 54.9825, 79.3444,
107.0249

■ 93.5952, 99.2500,
108.8319

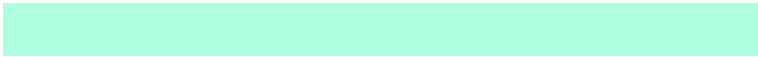
■ 54.1301, 78.9050, 95.0500, 100.0000,
106.9850 108.9000

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



65.8875, 85.1296, 82.8148



66.2044, 85.1296, 107.5500



70.2836, 85.1296, 131.9285

Triad

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



66.2044, 85.1296, 107.5500



93.6523, 85.1296, 128.3687



84.5452, 85.1296, 53.8743

Complementary

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



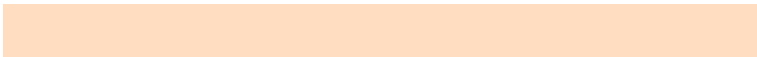
66.2044, 85.1296, 107.5500



57.4133, 44.9264, 34.0813

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.



92.5637, 85.1296, 62.1255



66.2044, 85.1296, 107.5500



98.0653, 85.1296, 103.3242

Square

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



66.2044, 85.1296, 107.5500



85.9473, 85.1296, 145.3277



97.6534, 85.1296, 79.2690



76.0795, 85.1296, 54.6013

Rectangle

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



66.2044, 85.1296, 107.5500



74.7616, 85.1296, 143.3933



97.6534, 85.1296, 79.2690



87.3932, 85.1296, 55.6193

Sweetspot

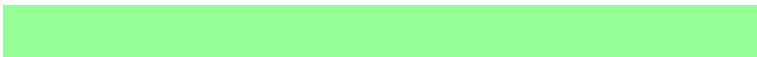
The Sweet Spot groups the original color and five complimentary colors.



66.2052, 85.1300, 107.5501



84.6746, 94.6513, 108.4144



53.5804, 80.0800, 41.0686



17.9045, 20.1462, 23.1949



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

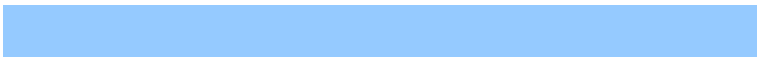
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2052, 85.1300, 107.5501



62.6371, 83.2905, 107.3831



51.5663, 55.8521, 102.6704



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



70.0381, 49.9763, 100.5627



66.9441, 43.7882, 99.5314



67.7862, 65.6722, 37.5389



18.7928, 18.3004, 22.7918



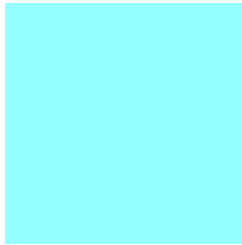
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 66.2044, 85.1296, 107.5500 looks on a white background.

Color Contrast Check

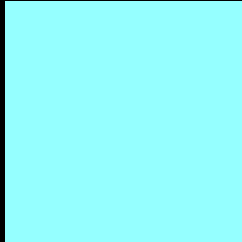
Large Text (above 18pt) WCAG AA × Fail

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 66.2044, 85.1296, 107.5500 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 66.2044, 85.1296, 107.5500

Background



This preview shows how black text looks on a background with the XYZ color 66.2044, 85.1296, 107.5500.

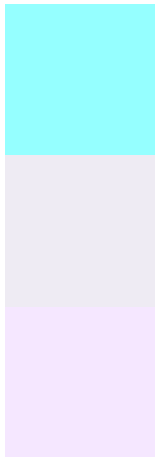


This preview shows how white text looks on a background with the XYZ color 66.2044, 85.1296,

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

66.2044, 85.1296, 107.5500

Protanopia

81.1459, 84.0649, 96.7433

Deuteranopia

84.2821, 83.7843, 106.3376



Tritanopia

74.4881, 84.3389, 106.9608

Trichromacy



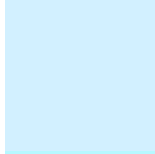
Original Color

66.2044, 85.1296, 107.5500



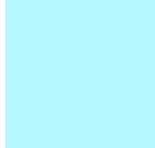
Protanomaly

73.9942, 83.3415, 100.1823



Deuteranomaly

75.7884, 83.2418, 106.6805



Tritanomaly

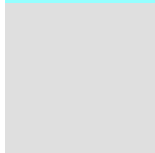
70.9088, 84.2999, 107.1420

Monochromacy



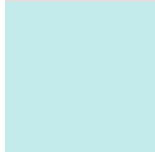
Original Color

66.2044, 85.1296, 107.5500



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.4687, 77.1506, 89.9328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2044, 85.1296, 107.5500 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(149, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 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(149, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2044, 85.1296, 107.5500 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(149, 255, 255) }
```


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

```
.border{ border-color:rgb(149, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2044, 85.1296, 107.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 255) }
```

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

```
.background{ background-color: rgb(149,  
255, 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](#).

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