

Converting Colors

XYZ(74.5665, 100.0000,
107.1099)

Have a look what the booklet for
XYZ(74.5665, 100.0000, 107.1099)
contains.

XYZ(67.6288, 85.9192, 105.1151)	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(67.6288, 85.9192,
105.1151)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFFC
RGB	159, 255, 252
RGB Percent	62%, 100%, 99%
CMY	0.3765, 0.0000, 0.0118
CMYK	0.38, 0.00, 0.01, 0.00
HSL	178°, 100%, 81%
HSV	178°, 38%, 100%
XYZ	67.6288, 85.9192, 105.1151
YIQ	225.9540, -56.2530, -21.2850

Conversions

Conversions Part 2

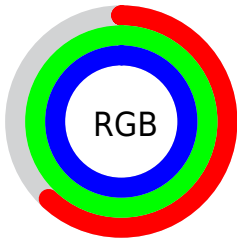
Format	Color
R _Y B	159, 208, 255
Decimal	10485756
CIE Lab	94.28, -28.96, -7.53
CIE LCh	94, 29.922, 194.579
Yxy	85.9192, 0.2615, 0.3322
Android (android.graphics.Color)	4288675836 (0xFF9FFFFC)
YUV	225.9540, 12.8407, -58.7187
Hunter-Lab	92.6926, -31.9779, -2.3511

Details

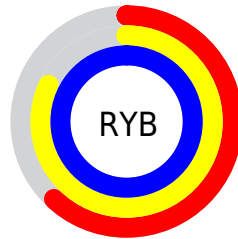
The XYZ color **67.6288, 85.9192, 105.1151** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.1607, 48.6665, 40.4064**, and the grayscale version is **72.1950, 75.9548, 82.7147**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **35.5239, 47.1531, 58.8589** is the 20% darker color. If you saturate the color by 10%, you get **62.9577, 83.5257, 104.2404**, and if you desaturate by 10%, it is **73.3457, 88.8517, 106.0444**.

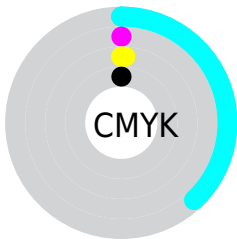
Distribution



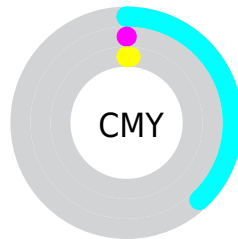
- Red (62%)
- Green (100%)
- Blue (99%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6288, 85.9192, 105.1151 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 67.6288, 85.9192, 105.1151 by changing the saturation by 10% instead.

67.6288, 85.9192,
105.1151

67.6288, 85.9192,
105.1151

441.5771,
514.6647, 597.8568

49.8684, 64.6012,
79.9386

114.8658,
141.6567, 170.2819

35.5262, 47.1377,
59.1420

145.0731,
176.8450, 211.1092

24.2369, 33.1446,
42.3066

180.1600,
217.4255, 257.9906

15.6351, 22.2372,
29.0141

220.4920,
263.7826, 311.3445

9.3555, 14.0313,
18.8458

266.4343,
316.3006, 371.5896

5.0328, 8.1424,
11.3832

318.3524,

2.3015, 4.1862,

375.3641, 439.1443

6.2078

376.6115,
441.3573, 514.4272

0.7954, 1.7783,
2.9010

0.0000, 0.4736,
1.0443

67.6288, 85.9192,
105.1151

67.6288, 85.9192,
105.1151

62.9577, 83.5257,
104.2404

73.3457, 88.8517,
106.0444

59.2644, 81.6362,
103.4128

80.1641, 92.3521,
107.0266

56.4783, 80.2144,
102.6304

88.1398, 96.4490,
108.0657

54.5178, 79.2181,
101.8893

95.0500, 100.0000,
108.9000

■ 53.2867, 78.5977,
101.1852

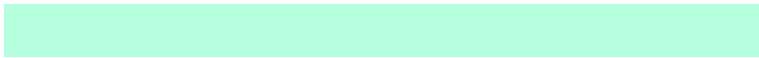
■ 52.6581, 78.2879,
100.5120

■ 52.5540, 78.2376,
100.3559

Harmonies

Analogous

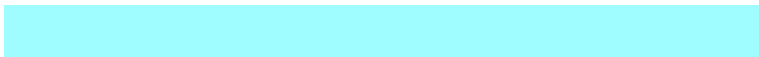
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6806, 85.9192, 82.2911



67.6288, 85.9192, 105.1151



71.1638, 85.9192, 128.1029

Triad

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



67.6288, 85.9192, 105.1151



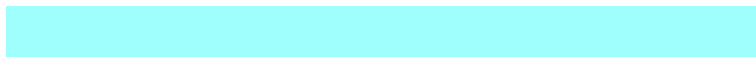
92.9736, 85.9192, 128.6702



85.8337, 85.9192, 57.1063

Complementary

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



67.6288, 85.9192, 105.1151



60.1607, 48.6665, 40.4064

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.



93.1486, 85.9192, 65.8486



67.6288, 85.9192, 105.1151



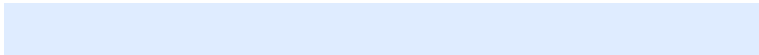
97.4510, 85.9192, 105.7948

Square

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



67.6288, 85.9192, 105.1151



85.6074, 85.9192, 143.1386



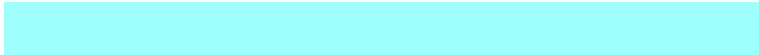
97.5171, 85.9192, 82.8685



77.8429, 85.9192, 56.9854

Rectangle

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



67.6288, 85.9192, 105.1151



75.2206, 85.9192, 139.3817



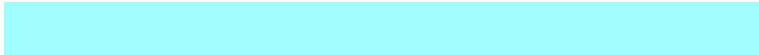
97.5171, 85.9192, 82.8685



88.4645, 85.9192, 59.0613

Sweetspot

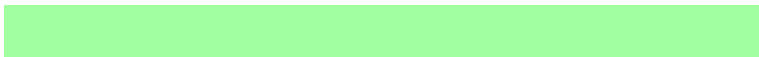
The Sweet Spot groups the original color and five complimentary colors.



67.6299, 85.9198, 105.1166



85.3320, 95.0065, 107.7106



56.9602, 81.7261, 45.5755



18.0298, 20.2147, 23.0242



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.



67.6299, 85.9198, 105.1166



64.0956, 84.1085, 104.4673



55.4454, 60.7844, 103.4180



18.5289, 20.4711, 23.0882



27.4716, 40.8852, 52.4959



2.6822, 3.9838, 5.1504

Inverse Universe

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



60.1607, 48.6665, 40.4064



55.6760, 42.0979, 31.5103



69.0443, 66.8552, 42.0682



18.0324, 17.9963, 18.7876



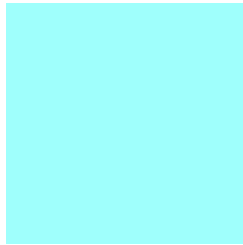
21.5815, 11.1219, 1.1808



2.1090, 1.0860, 0.1556

Previews

White Background



This preview shows how the XYZ color 67.6288, 85.9192, 105.1151 looks on a white background.

Color Contrast Check

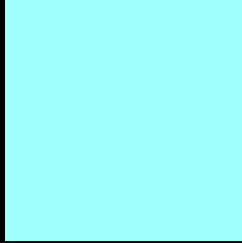
Large Text (above 18pt) WCAG AA × Fail

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 67.6288, 85.9192, 105.1151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

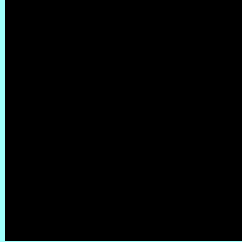
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6288, 85.9192, 105.1151

Background



This preview shows how black text looks on a background with the XYZ color 67.6288, 85.9192, 105.1151.

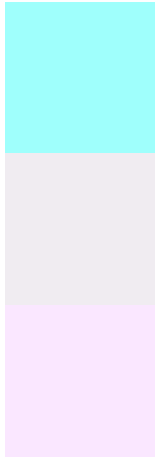


This preview shows how white text looks on a background with the XYZ color 67.6288, 85.9192,

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

67.6288, 85.9192, 105.1151

Protanopia

81.8078, 84.8670, 95.2883

Deuteranopia

86.0503, 84.6958, 106.4203



Tritanopia

76.1560, 85.6466, 107.1253

Trichromacy



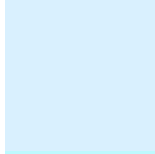
Original Color

67.6288, 85.9192, 105.1151



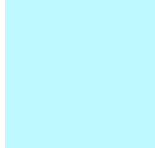
Protanomaly

75.3960, 84.5426, 98.7308



Deuteranomaly

77.6648, 84.2276, 105.9301



Tritanomaly

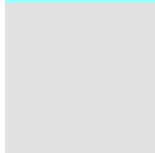
72.7513, 85.7259, 106.4783

Monochromacy



Original Color

67.6288, 85.9192, 105.1151



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.6367, 79.1231, 90.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6288, 85.9192, 105.1151 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 67.6288, 85.9192, 105.1151 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, 252) }
```


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

```
.border{ border-color:rgb(159, 255, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 255, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 255, 252); box-shadow:4px 4px 4px 4px rgb(159, 255, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6288, 85.9192, 105.1151 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, 252) }
```

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

```
.background{ background-color: rgb(159,  
255, 252) }
```

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