

Converting Colors

XYZ(79.9547, 89.7437,
163.2493)

Have a look what the booklet for
XYZ(79.9547, 89.7437, 163.2493)
contains.

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Color

**XYZ(69.2226, 85.2758,
107.4192)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A9FCFF |
| RGB | 169, 252, 255 |
| RGB Percent | 66%, 99%, 100% |
| CMY | 0.3372, 0.0117, 0.0000 |
| CMYK | 0.34, 0.01, 0.00, 0.00 |
| HSL | 182°, 100%, 83% |
| HSV | 182°, 34%, 100% |
| XYZ | 69.2226, 85.2758, 107.4192 |
| YIQ | 227.5250, -50.4310, -16.6630 |

Conversions

Conversions Part 2

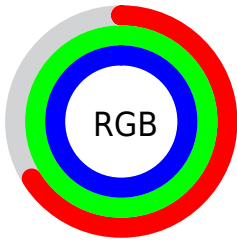
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 169, 211, 255 |
| Decimal | 11140351 |
| CIE _{Lab} | 94.00, -24.29, -9.44 |
| CIE _{LCh} | 94, 26.061, 201.241 |
| Yxy | 85.2758, 0.2643, 0.3256 |
| Android (android.graphics.Color) | 4289330431 (0xFFA9FCFF) |
| YUV | 227.5250, 13.5452, -51.3264 |
| Hunter-Lab | 92.3449, -27.7983, -4.3270 |

Details

The XYZ color **69.2226, 85.2758, 107.4192** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.1542, 53.6296, 44.5610**, and the grayscale version is **73.3286, 77.1474, 84.0135**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **36.5182, 46.6181, 60.4996** is the 20% darker color. If you saturate the color by 10%, you get **63.9986, 82.1717, 107.0954**, and if you desaturate by 10%, it is **75.5191, 88.9390, 107.7944**.

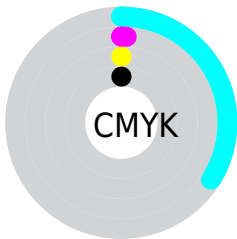
Distribution



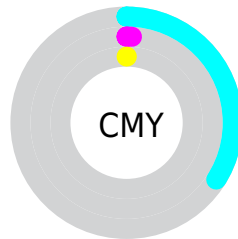
- Red (66%)
- Green (99%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2226, 85.2758, 107.4192 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 69.2226, 85.2758, 107.4192 by changing the saturation by 10% instead.

69.2226, 85.2758,
107.4192

69.2226, 85.2758,
107.4192

447.1248,
512.5402, 605.1750

51.1703, 64.0693,
81.8596

117.1318,
140.7584, 173.4566

36.5658, 46.7068,
60.7147

147.7194,
175.8034, 214.7714

25.0436, 32.8039,
43.5659

183.2162,
216.2299, 262.1751

16.2384, 21.9763,
29.9947

223.9875,
262.4224, 316.0862

9.7850, 13.8395,
19.5825

270.3986,
314.7653, 376.9232

5.3178, 8.0091,
11.9109

322.8150,

2.4716, 4.1008,

373.6430, 445.1046

6.5612

381.6019,
439.4398, 521.0491

■ 0.8809, 1.7301,
3.1150

■ 0.0000, 0.4430,
1.1536

■ 69.2226, 85.2758,
107.4192

■ 69.2226, 85.2758,
107.4192

■ 63.9986, 82.1717,
107.0954

■ 75.5191, 88.9390,
107.7944

■ 59.7782, 79.5848,
106.8185

■ 82.9387, 93.1809,
108.2221

■ 56.4949, 77.4829,
106.5858

■ 91.5368, 98.0324,
108.7054

■ 54.0714, 75.8262,
106.3938

95.0500, 100.0000,
108.9000

■ 52.4180, 74.5684,
106.2382

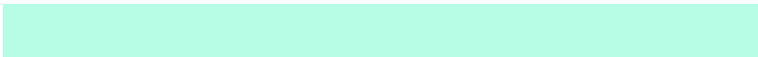
■ 51.4252, 73.6531,
106.1138

■ 51.0415, 73.2031,
106.0472

Harmonies

Analogous

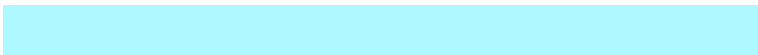
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5479, 85.2758, 87.1432



69.2226, 85.2758, 107.4192



72.9697, 85.2758, 126.0095

Triad

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



69.2226, 85.2758, 107.4192



91.9266, 85.2758, 118.9336



83.1044, 85.2758, 59.9267

Complementary

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



69.2226, 85.2758, 107.4192



63.1542, 53.6296, 44.5610

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.



89.7102, 85.2758, 66.0882



69.2226, 85.2758, 107.4192



94.9914, 85.2758, 98.8024

Square

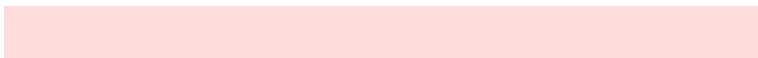
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2226, 85.2758, 107.4192



85.9910, 85.2758, 133.2901



94.1579, 85.2758, 79.6631



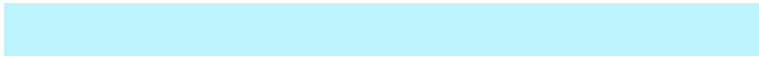
76.3060, 85.2758, 61.5497

Rectangle

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



69.2226, 85.2758, 107.4192



76.8296, 85.2758, 134.0128



94.1579, 85.2758, 79.6631



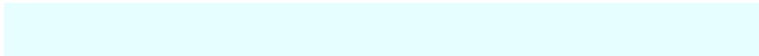
85.4265, 85.2758, 61.1197

Sweetspot

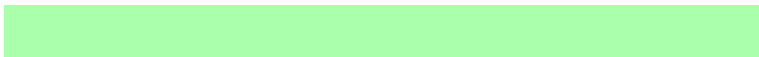
The Sweet Spot groups the original color and five complimentary colors.



69.2248, 85.2791, 107.4197



86.0002, 94.9150, 108.3955



59.5570, 82.9290, 51.8325



18.1561, 20.1735, 23.1869



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.



69.2248, 85.2791, 107.4197



65.8239, 83.2663, 107.2105



57.2467, 61.3229, 103.4270



18.4974, 20.3665, 23.2062



26.6944, 38.2985, 55.4200



2.6155, 3.7616, 5.4015

Inverse Universe

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



73.0001, 56.6660, 99.1893



70.1144, 51.0357, 97.7921



72.6688, 72.6587, 47.7325



18.7637, 18.2888, 22.6389



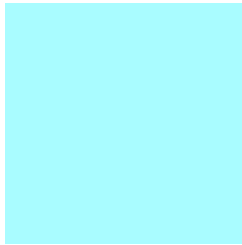
30.2623, 14.5942, 46.8933



2.9548, 1.4243, 4.6092

Previews

White Background



This preview shows how the XYZ color 69.2226, 85.2758, 107.4192 looks on a white background.

Color Contrast Check

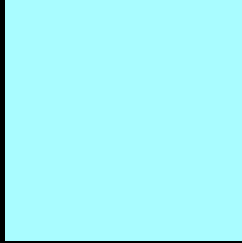
Large Text (above 18pt) WCAG AA × Fail

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 69.2226, 85.2758, 107.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

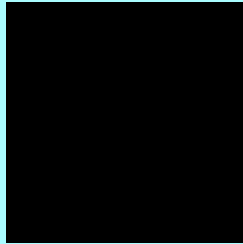
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2226, 85.2758, 107.4192

Background



This preview shows how black text looks on a background with the XYZ color 69.2226, 85.2758, 107.4192.

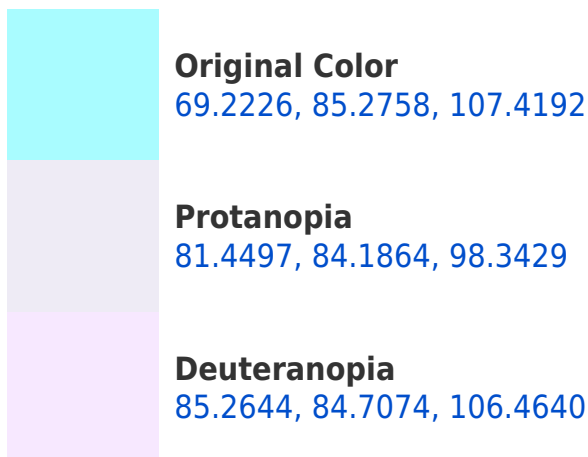


This preview shows how white text looks on a background with the XYZ color 69.2226, 85.2758,

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





Tritanopia

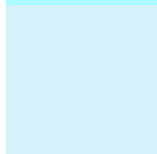
75.8543, 85.0432, 107.0248

Trichromacy



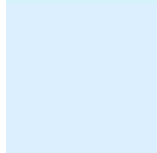
Original Color

69.2226, 85.2758, 107.4192



Protanomaly

75.9948, 83.8963, 101.8108



Deuteranomaly

78.1299, 84.0131, 106.7060



Tritanomaly

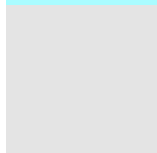
73.3031, 85.0790, 107.1661

Monochromacy



Original Color

69.2226, 85.2758, 107.4192



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.4489, 80.0068, 92.5660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2226, 85.2758, 107.4192 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(169, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.2226, 85.2758, 107.4192 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(169, 252, 255) }
```


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

```
.border{ border-color:rgb(169, 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(169, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2226, 85.2758, 107.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 252, 255) }
```

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

```
.background{ background-color: rgb(169,  
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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