

Converting Colors

XYZ(66.3772, 78.9912,
106.3561)

Have a look what the booklet for
XYZ(66.3772, 78.9912, 106.3561)
contains.

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Color

**XYZ(66.2999, 78.7885,
106.3211)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF1FF
RGB	171, 241, 255
RGB Percent	67%, 95%, 100%
CMY	0.3294, 0.0549, 0.0000
CMYK	0.33, 0.05, 0.00, 0.00
HSL	190°, 100%, 84%
HSV	190°, 33%, 100%
XYZ	66.2999, 78.7885, 106.3211
YIQ	221.6660, -46.2140, -10.4860

Conversions

Conversions Part 2

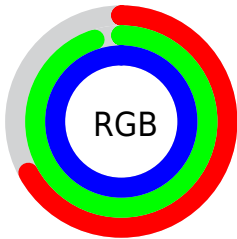
Format	Color
RYB	171, 209, 255
Decimal	11268607
CIELab	91.14, -18.37, -13.70
CIELCh	91, 22.915, 216.708
Yxy	78.7885, 0.2637, 0.3134
Android (android.graphics.Color)	4289458687 (0xFFABF1FF)
YUV	221.6660, 16.4337, -44.4341
Hunter-Lab	88.7629, -22.0076, -8.8842

Details

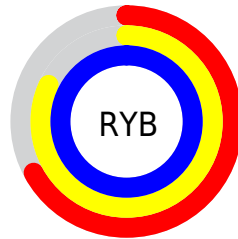
The XYZ color **66.2999, 78.7885, 106.3211** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9399, 58.8982, 46.4231**, and the grayscale version is **69.1086, 72.7076, 79.1786**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.6122, 42.4200, 59.7897** is the 20% darker color. If you saturate the color by 10%, you get **60.0295, 73.7125, 105.6718**, and if you desaturate by 10%, it is **73.6753, 84.4816, 107.0312**.

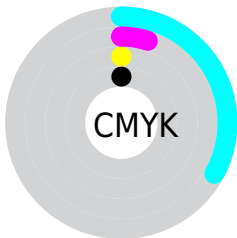
Distribution



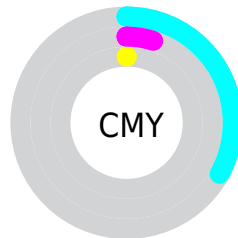
- Red (67%)
- Green (95%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2999, 78.7885, 106.3211 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 66.2999, 78.7885, 106.3211 by changing the saturation by 10% instead.

66.2999, 78.7885,
106.3211

66.2999, 78.7885,
106.3211

436.9204,
490.8406, 601.6931

48.7845, 58.7219,
80.9437

112.9720,
131.6611, 171.9444

34.6624, 42.3893,
59.9645

142.8594,
165.2359, 213.0274

23.5682, 29.4063,
42.9649

177.6016,
204.0822, 260.1828

15.1366, 19.3884,
29.5264

217.5638,
248.5844, 313.8290

9.0023, 11.9512,
19.2304

263.1114,
299.1270, 374.3846

4.7998, 6.7105,
11.6584

314.6098,

2.1638, 3.2817,

356.0943, 442.2681

6.3918

372.4244,
419.8707, 517.8981

■ 0.7236, 1.2805,
3.0121

■ 0.0000, 0.1260,
1.1008

■ 66.2999, 78.7885,
106.3211

■ 66.2999, 78.7885,
106.3211

■ 60.0295, 73.7125,
105.6718

■ 73.6753, 84.4816,
107.0312

■ 54.7957, 69.2122,
105.0790

■ 82.2065, 90.8124,
107.8035

■ 50.5323, 65.2551,
104.5399

■ 91.9486, 97.8116,
108.6411

■ 47.1625, 61.8014,
104.0509

95.0500, 100.0000,
108.9000

■ 44.5977, 58.8050,
103.6077

■ 42.7303, 56.2102,
103.2053

■ 41.7215, 54.5629,
102.9405

Harmonies

Analogous

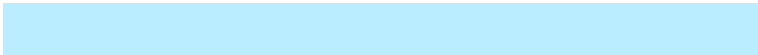
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3513, 78.7885, 89.5711



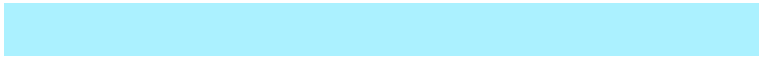
66.2999, 78.7885, 106.3211



70.5641, 78.7885, 118.5800

Triad

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



66.2999, 78.7885, 106.3211



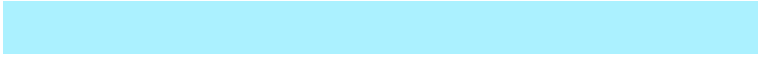
85.5991, 78.7885, 99.0406



73.5914, 78.7885, 57.8256

Complementary

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



66.2999, 78.7885, 106.3211



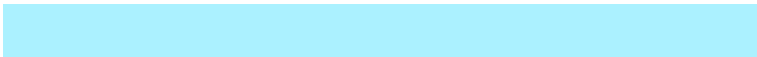
65.9399, 58.8982, 46.4231

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.



79.3811, 78.7885, 59.6772



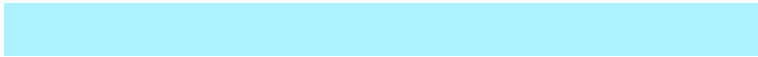
66.2999, 78.7885, 106.3211



86.5121, 78.7885, 82.1115

Square

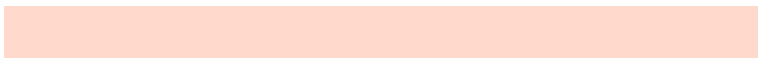
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



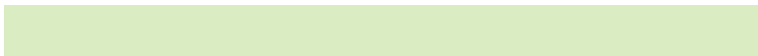
66.2999, 78.7885, 106.3211



81.7492, 78.7885, 114.0120



84.1833, 78.7885, 68.0836



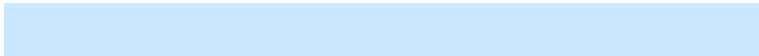
68.4183, 78.7885, 62.6534

Rectangle

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



66.2999, 78.7885, 106.3211



74.2479, 78.7885, 121.7714



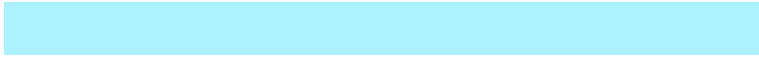
84.1833, 78.7885, 68.0836



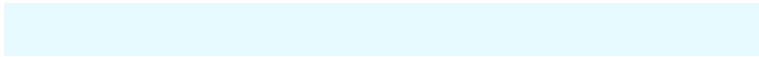
75.5280, 78.7885, 57.6981

Sweetspot

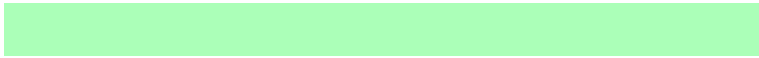
The Sweet Spot groups the original color and five complimentary colors.



66.3020, 78.7915, 106.3215



84.9424, 92.7993, 108.0429



61.1656, 83.6224, 58.0467



17.8984, 19.6580, 23.1010



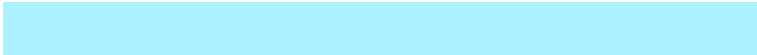
0.0000, 0.0000, 0.0000



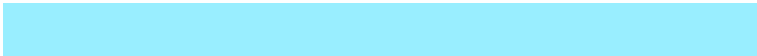
20.3446, 21.4041, 23.3091

Same Dimension

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



66.3020, 78.7915, 106.3215



61.7627, 75.1440, 105.8567



55.5931, 57.3736, 102.7519



18.2821, 19.9358, 23.1344



21.8957, 28.7009, 53.8204



2.1972, 2.9252, 5.2621

Inverse Universe

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



71.6815, 56.7384, 90.3961



68.0645, 50.2158, 86.9976



75.6791, 78.3766, 49.6695



18.6550, 18.2453, 22.0665



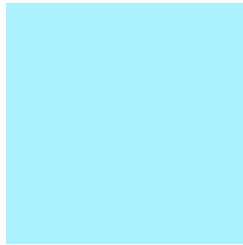
27.8401, 13.6253, 34.1382



2.7437, 1.3398, 3.4976

Previews

White Background



This preview shows how the XYZ color 66.2999, 78.7885, 106.3211 looks on a white background.

Color Contrast Check

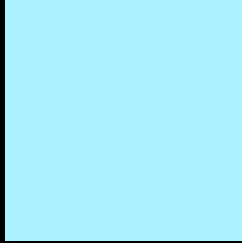
Large Text (above 18pt) WCAG AA × Fail

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 66.2999, 78.7885, 106.3211 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 66.2999, 78.7885, 106.3211

Background



This preview shows how black text looks on a background with the XYZ color 66.2999, 78.7885, 106.3211.

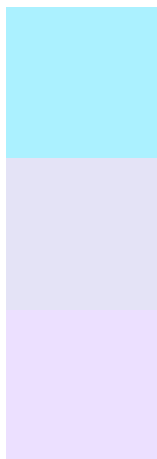


This preview shows how white text looks on a background with the XYZ color 66.2999, 78.7885,

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

66.2999, 78.7885, 106.3211

Protanopia

76.0985, 78.0860, 98.2501

Deuteranopia

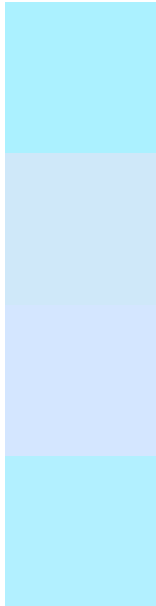
79.2977, 78.3642, 105.5541



Tritanopia

68.2079, 78.8981, 106.2417

Trichromacy



Original Color

66.2999, 78.7885, 106.3211

Protanomaly

71.6876, 77.8182, 100.8646

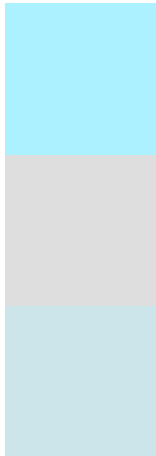
Deuteranomaly

73.4982, 77.8107, 105.7529

Tritanomaly

67.5702, 79.0052, 106.2959

Monochromacy



Original Color

66.2999, 78.7885, 106.3211

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.4992, 74.6756, 88.6982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2999, 78.7885, 106.3211 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(171, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 241, 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(171, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2999, 78.7885, 106.3211 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(171, 241, 255) }
```


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

```
.border{ border-color:rgb(171, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2999, 78.7885, 106.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 241, 255) }
```

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

```
.background{ background-color: rgb(171,  
241, 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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