

Converting Colors

XYZ(66.6708, 78.6863,
106.2818)

Have a look what the booklet for
XYZ(66.6708, 78.6863, 106.2818)
contains.

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Color

**XYZ(66.6656, 78.5388,
106.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	AEF0FF
RGB	174, 240, 255
RGB Percent	68%, 94%, 100%
CMY	0.3176, 0.0588, 0.0000
CMYK	0.32, 0.06, 0.00, 0.00
HSL	191°, 100%, 84%
HSV	191°, 32%, 100%
XYZ	66.6656, 78.5388, 106.2536
YIQ	221.9760, -44.1510, -9.3270

Conversions

Conversions Part 2

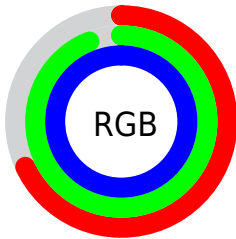
Format	Color
RYB	174, 210, 255
Decimal	11464959
CIELab	91.03, -17.07, -13.85
CIELCh	91, 21.981, 219.058
Yxy	78.5388, 0.2651, 0.3123
Android (android.graphics.Color)	4289655039 (0xFFAEF0FF)
YUV	221.9760, 16.2808, -42.0750
Hunter-Lab	88.6221, -20.8129, -9.0503

Details

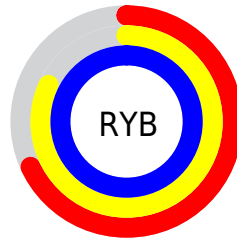
The XYZ color **66.6656, 78.5388, 106.2536** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0777, 60.7109, 48.2292**, and the grayscale version is **69.3270, 72.9374, 79.4288**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **34.9413, 42.2801, 59.7454** is the 20% darker color. If you saturate the color by 10%, you get **60.1435, 73.1420, 105.5557**, and if you desaturate by 10%, it is **74.3064, 84.5699, 107.0150**.

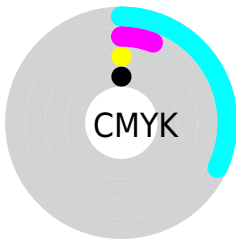
Distribution



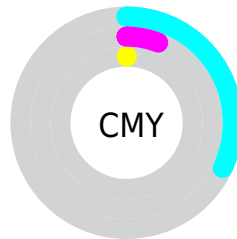
- Red (68%)
- Green (94%)
- Blue (100%)



- Red (68%)
- Yellow (82%)
- Blue (100%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6656, 78.5388, 106.2536 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 66.6656, 78.5388, 106.2536 by changing the saturation by 10% instead.

66.6656, 78.5388,
106.2536

66.6656, 78.5388,
106.2536

438.2048,
489.9947, 601.4787

49.0826, 58.5167,
80.8875

113.4936,
131.3094, 171.8514

34.8998, 42.2242,
59.9185

143.4693,
164.8267, 212.9202

23.7519, 29.2769,
42.9281

178.3066,
203.6111, 260.0602

15.2734, 19.2904,
29.4977

218.3708,
248.0471, 313.6901

9.0991, 11.8803,
19.2088

264.0274,
298.5191, 374.2283

4.8635, 6.6622,
11.6429

315.6417,

2.2013, 3.2518,

355.4114, 442.0935

6.3815

373.5790,
419.1085, 517.7041

■ 0.7434, 1.2645,
3.0059

■ 0.0000, 0.1135,
1.0976

■ 66.6656, 78.5388,
106.2536

■ 66.6656, 78.5388,
106.2536

■ 60.1435, 73.1420,
105.5557

■ 74.3064, 84.5699,
107.0150

■ 54.6724, 68.3383,
104.9168

■ 83.1163, 91.2558,
107.8412

■ 50.1868, 64.0955,
104.3343

■ 93.1500, 98.6271,
108.7352

■ 46.6109, 60.3742,
103.8045

■ 95.0500, 100.0000,
108.9000

■ 43.8578, 57.1291,
103.3232

■ 41.8224, 54.3056,
102.8855

■ 40.5546, 52.2292,
102.5515

Harmonies

Analogous

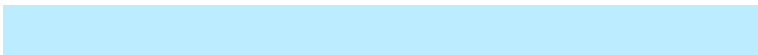
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5991, 78.5388, 90.4177



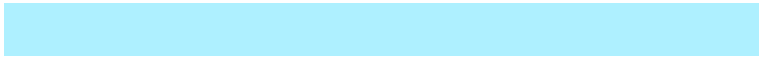
66.6656, 78.5388, 106.2536



70.8994, 78.5388, 117.3505

Triad

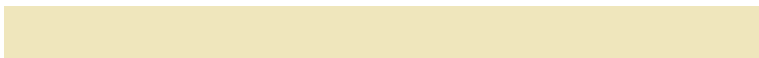
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6656, 78.5388, 106.2536



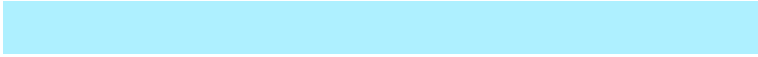
85.0649, 78.5388, 96.9099



72.9813, 78.5388, 58.7470

Complementary

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



66.6656, 78.5388, 106.2536



67.0777, 60.7109, 48.2292

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.



78.5280, 78.5388, 60.0311



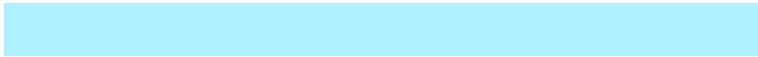
66.6656, 78.5388, 106.2536



85.6902, 78.5388, 80.7936

Square

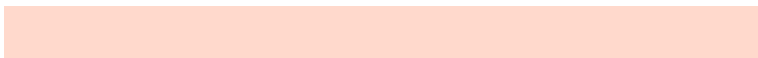
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6656, 78.5388, 106.2536



81.5765, 78.5388, 111.5085



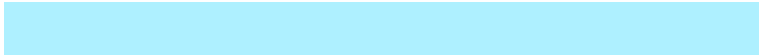
83.2451, 78.5388, 67.6680



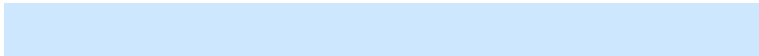
68.1248, 78.5388, 63.9124

Rectangle

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



66.6656, 78.5388, 106.2536



74.4736, 78.5388, 119.8558



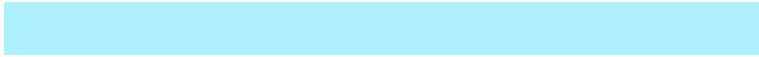
83.2451, 78.5388, 67.6680



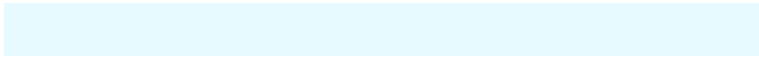
74.8243, 78.5388, 58.4539

Sweetspot

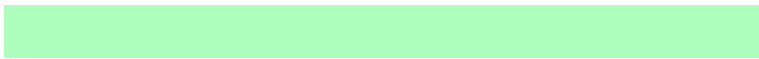
The Sweet Spot groups the original color and five complimentary colors.



66.6677, 78.5418, 106.2541



84.7952, 92.5051, 107.9938



62.3857, 84.1868, 61.0220



17.8626, 19.5864, 23.0890



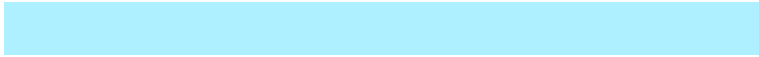
0.0000, 0.0000, 0.0000



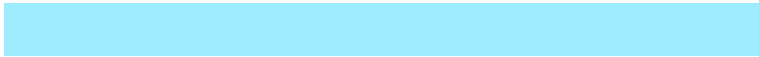
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6677, 78.5418, 106.2541



62.4718, 75.1024, 105.8113



56.0802, 57.3668, 102.7249



18.2521, 19.8759, 23.1244



21.2935, 27.4966, 53.6197



2.1440, 2.8186, 5.2443

Inverse Universe

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



72.1056, 57.8250, 89.8024



68.7788, 51.8658, 86.5528



76.9969, 80.5493, 51.5356



18.6399, 18.2393, 21.9869



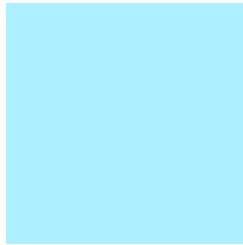
27.5362, 13.5038, 32.5376



2.7168, 1.3291, 3.3559

Previews

White Background



This preview shows how the XYZ color 66.6656, 78.5388, 106.2536 looks on a white background.

Color Contrast Check

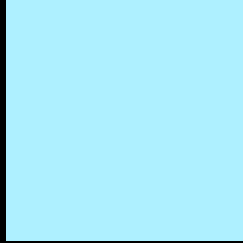
Large Text (above 18pt) WCAG AA × Fail

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 66.6656, 78.5388, 106.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

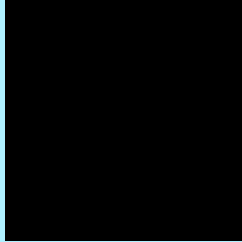
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6656, 78.5388, 106.2536

Background



This preview shows how black text looks on a background with the XYZ color 66.6656, 78.5388, 106.2536.



This preview shows how white text looks on a background with the XYZ color 66.6656, 78.5388,

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

66.6656, 78.5388, 106.2536

Protanopia

75.9361, 77.9845, 99.0459

Deuteranopia

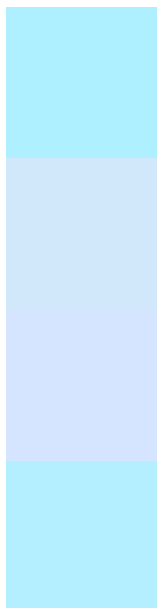
78.6986, 77.6575, 105.4493



Tritanopia

68.1530, 78.4364, 106.1554

Trichromacy



Original Color

66.6656, 78.5388, 106.2536

Protanomaly

72.1244, 78.0252, 101.7015

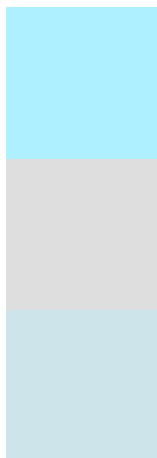
Deuteranomaly

73.5099, 77.4048, 105.6740

Tritanomaly

67.7389, 78.6563, 106.2197

Monochromacy



Original Color

66.6656, 78.5388, 106.2536

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0474, 74.9583, 88.7238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6656, 78.5388, 106.2536 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(174, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 240, 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(174, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6656, 78.5388, 106.2536 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(174, 240, 255) }
```


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

```
.border{ border-color:rgb(174, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(174, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6656, 78.5388, 106.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 240, 255) }
```

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

```
.background{ background-color: rgb(174,  
240, 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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