

Converting Colors

XYZ(68.3733, 77.7105,
106.0037)

Have a look what the booklet for
XYZ(68.3733, 77.7105, 106.0037)
contains.

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Color

**XYZ(68.2952, 77.6500,
105.9962)**

Conversions

Conversions Part 1

Format	Color
Hex	BAECFF
RGB	186, 236, 255
RGB Percent	73%, 93%, 100%
CMY	0.2706, 0.0745, 0.0000
CMYK	0.27, 0.07, 0.00, 0.00
HSL	197°, 100%, 86%
HSV	197°, 27%, 100%
XYZ	68.2952, 77.6500, 105.9962
YIQ	223.2160, -35.8990, -4.6910

Conversions

Conversions Part 2

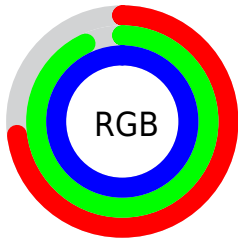
Format	Color
R _Y B	186, 215, 255
Decimal	12250367
CIE Lab	90.62, -11.73, -14.39
CIE LCh	91, 18.565, 230.810
Yxy	77.6500, 0.2711, 0.3082
Android (android.graphics.Color)	4290440447 (0xFFBAE0FF)
YUV	223.2160, 15.6695, -32.6384
Hunter-Lab	88.1192, -15.8655, -9.6348

Details

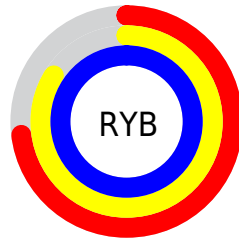
The XYZ color **68.2952, 77.6500, 105.9962** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9344, 68.4675, 55.8805**, and the grayscale version is **70.2049, 73.8611, 80.4347**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.8744, 41.5450, 59.5543** is the 20% darker color. If you saturate the color by 10%, you get **60.6630, 70.7754, 105.0715**, and if you desaturate by 10%, it is **77.1165, 85.2595, 107.0000**.

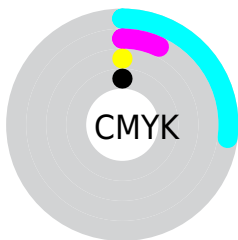
Distribution



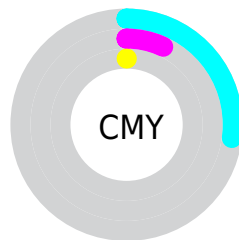
- Red (73%)
- Green (93%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2952, 77.6500, 105.9962 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 68.2952, 77.6500, 105.9962 by changing the saturation by 10% instead.

68.2952, 77.6500,
105.9962

68.2952, 77.6500,
105.9962

443.9016,
486.9774, 600.6608

50.4125, 57.7865,
80.6729

115.8139,
130.0566, 171.4967

35.9604, 41.6370,
59.7428

146.1807,
163.3685, 212.5110

24.5736, 28.8172,
42.7874

181.4395,
201.9320, 259.5926

15.8867, 18.9426,
29.3882

221.9556,
246.1315, 313.1602

9.5343, 11.6288,
19.1266

268.0946,
296.3514, 373.6323

5.1512, 6.4914,
11.5840

320.2217,

2.3719, 3.1461,

352.9761, 441.4274

6.3420

378.7022,
416.3900, 516.9641

■ 0.8311, 1.2085,
2.9820

■ 0.0000, 0.0686,
1.0855

■ 68.2952, 77.6500,
105.9962

■ 68.2952, 77.6500,
105.9962

■ 60.6630, 70.7754,
105.0715

■ 77.1165, 85.2595,
107.0000

■ 54.1538, 64.5944,
104.2215

■ 87.1759, 93.6245,
108.0844

■ 48.7048, 59.0752,
103.4434

95.0500, 100.0000,
108.9000

■ 44.2435, 54.1790,
102.7335

■ 40.6882, 49.8624,
102.0877

■ 37.9428, 46.0744,
101.5012

■ 35.8848, 42.7503,
100.9680

■ 35.3562, 41.8324,
100.8187

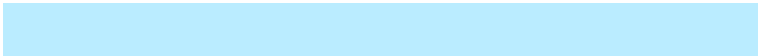
Harmonies

Analogous

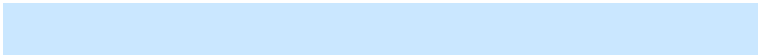
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7549, 77.6500, 93.9789



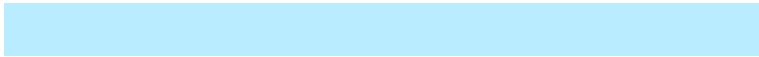
68.2952, 77.6500, 105.9962



72.3848, 77.6500, 112.4397

Triad

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



68.2952, 77.6500, 105.9962



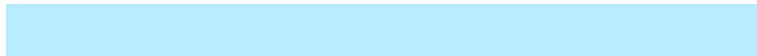
82.9904, 77.6500, 88.7049



70.6717, 77.6500, 62.7922

Complementary

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



68.2952, 77.6500, 105.9962



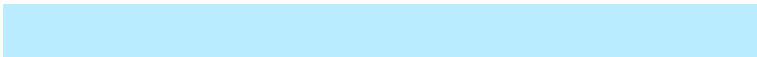
71.9344, 68.4675, 55.8805

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.



75.2417, 77.6500, 61.6977



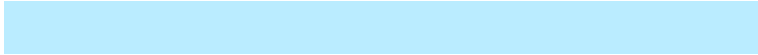
68.2952, 77.6500, 105.9962



82.4845, 77.6500, 75.7695

Square

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



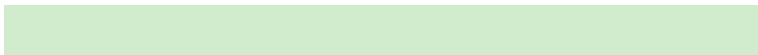
68.2952, 77.6500, 105.9962



80.9557, 77.6500, 101.7890



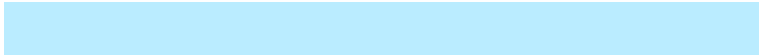
79.6013, 77.6500, 66.2072



67.0864, 77.6500, 69.3722

Rectangle

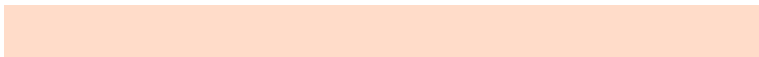
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2952, 77.6500, 105.9962



75.4943, 77.6500, 112.2876



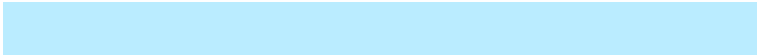
79.6013, 77.6500, 66.2072



72.1391, 77.6500, 61.7997

Sweetspot

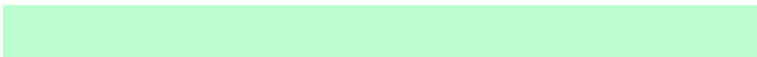
The Sweet Spot groups the original color and five complimentary colors.



68.2973, 77.6530, 105.9966



86.1734, 92.8029, 107.9787



66.9580, 86.3385, 70.5162



18.1072, 19.5860, 23.0761



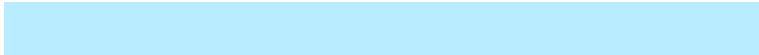
0.0000, 0.0000, 0.0000



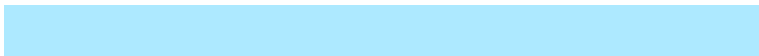
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2973, 77.6530, 105.9966



64.3795, 74.1646, 105.5298



59.4452, 59.9488, 103.0459



18.1072, 19.5860, 23.0761



18.6058, 22.1212, 52.7238



1.9031, 2.3369, 5.1640

Inverse Universe

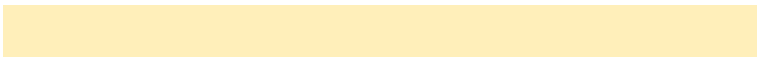
The Inverse Universe completely reimagines the original color for something new.



73.9406, 62.4357, 87.5145



70.9020, 57.1574, 84.0382



80.9408, 86.4803, 58.8826



18.5668, 18.2100, 21.6017



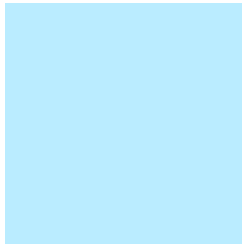
26.1796, 12.9611, 25.3938



2.5952, 1.2805, 2.7157

Previews

White Background



This preview shows how the XYZ color 68.2952, 77.6500, 105.9962 looks on a white background.

Color Contrast Check

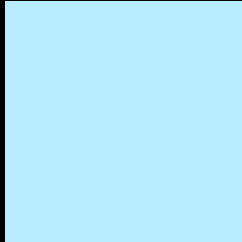
Large Text (above 18pt) WCAG AA × Fail

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 68.2952, 77.6500, 105.9962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

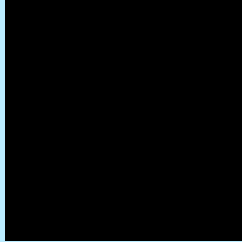
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2952, 77.6500, 105.9962

Background



This preview shows how black text looks on a background with the XYZ color 68.2952, 77.6500, 105.9962.

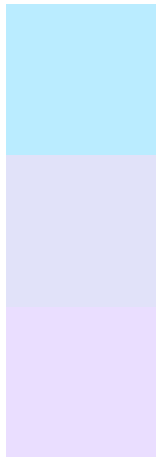


This preview shows how white text looks on a background with the XYZ color 68.2952, 77.6500,

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

68.2952, 77.6500, 105.9962

Protanopia

75.3466, 77.2398, 100.5601

Deuteranopia

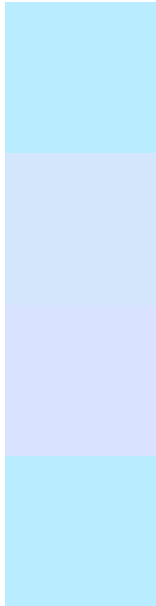
78.1030, 76.9550, 105.3451



Tritanopia

68.2952, 77.6500, 105.9962

Trichromacy



Original Color

68.2952, 77.6500, 105.9962

Protanomaly

72.5734, 77.4075, 102.3829

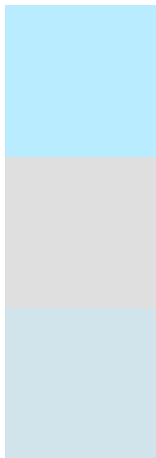
Deuteranomaly

74.1344, 76.9099, 105.5455

Tritanomaly

68.2952, 77.6500, 105.9962

Monochromacy



Original Color

68.2952, 77.6500, 105.9962

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3171, 75.1866, 89.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2952, 77.6500, 105.9962 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(186, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 236, 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(186, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2952, 77.6500, 105.9962 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(186, 236, 255) }
```


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

```
.border{ border-color:rgb(186, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2952, 77.6500, 105.9962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 236, 255) }
```

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

```
.background{ background-color: rgb(186,  
236, 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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