

Converting Colors

XYZ(68.1850, 77.3756,
105.9490)

Have a look what the booklet for
XYZ(68.1850, 77.3756, 105.9490)
contains.

XYZ(68.0080, 77.0758, 105.9004)	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(68.0080, 77.0758,
105.9004)**

Conversions

Conversions Part 1

Format	Color
Hex	BAEBFF
RGB	186, 235, 255
RGB Percent	73%, 92%, 100%
CMY	0.2706, 0.0784, 0.0000
CMYK	0.27, 0.08, 0.00, 0.00
HSL	197°, 100%, 86%
HSV	197°, 27%, 100%
XYZ	68.0080, 77.0758, 105.9004
YIQ	222.6290, -35.6240, -4.1680

Conversions

Conversions Part 2

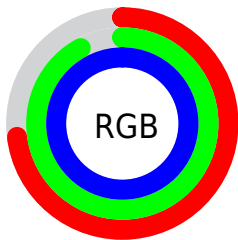
Format	Color
R_{YB}	186, 215, 255
Decimal	12250111
CIE _{Lab}	90.36, -11.22, -14.78
CIE _{LCh}	90, 18.562, 232.793
Yxy	77.0758, 0.2710, 0.3071
Android (android.graphics.Color)	4290440191 (0xFFBAEBFF)
YUV	222.6290, 15.9589, -32.1236
Hunter-Lab	87.7928, -15.3639, -10.0638

Details

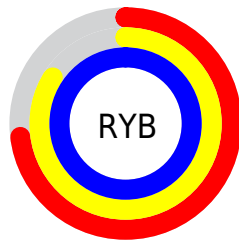
The XYZ color **68.0080, 77.0758, 105.9004** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1742, 68.9471, 55.9602**, and the grayscale version is **69.7864, 73.4207, 79.9552**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.6732, 41.1427, 59.4872** is the 20% darker color. If you saturate the color by 10%, you get **60.2855, 70.0206, 104.9457**, and if you desaturate by 10%, it is **76.9280, 84.8827, 106.9372**.

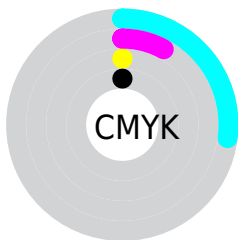
Distribution



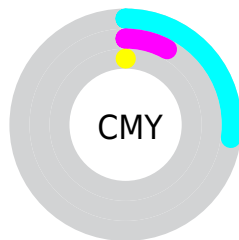
- Red (73%)
- Green (92%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0080, 77.0758, 105.9004 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 68.0080, 77.0758, 105.9004 by changing the saturation by 10% instead.

68.0080, 77.0758,
105.9004

68.0080, 77.0758,
105.9004

442.9006,
485.0224, 600.3563

50.1779, 57.3151,
80.5930

115.4054,
129.2465, 171.3647

35.7732, 41.2583,
59.6774

145.7035,
162.4252, 212.3586

24.4284, 28.5209,
42.7351

180.8883,
200.8455, 259.4186

15.7781, 18.7187,
29.3475

221.3252,
244.8915, 312.9630

9.4571, 11.4672,
19.0960

267.3795,
294.9479, 373.4104

5.1000, 6.3820,
11.5621

319.4166,

2.3414, 3.0787,

351.3989, 441.1794

6.3274

377.8019,
414.6289, 516.6885

■ 0.8157, 1.1730,
2.9732

■ 0.0000, 0.0395,
1.0809

■ 68.0080, 77.0758,
105.9004

■ 68.0080, 77.0758,
105.9004

■ 60.2855, 70.0206,
104.9457

■ 76.9280, 84.8827,
106.9372

■ 53.6944, 63.6756,
104.0684

■ 87.0947, 93.4624,
108.0574

■ 48.1715, 58.0087,
103.2656

95.0500, 100.0000,
108.9000

■ 43.6443, 52.9808,
102.5338

■ 40.0310, 48.5480,
101.8686

■ 37.2352, 44.6591,
101.2653

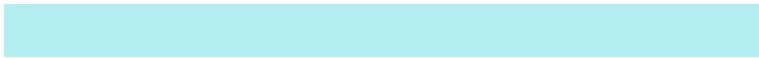
■ 35.1342, 41.2490,
100.7178

■ 34.5944, 40.3088,
100.5648

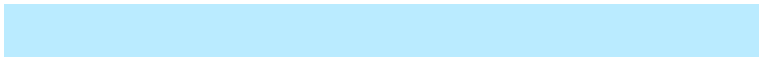
Harmonies

Analogous

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



65.3570, 77.0758, 94.1876



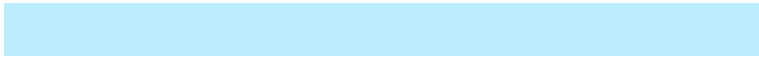
68.0080, 77.0758, 105.9004



72.1476, 77.0758, 111.8300

Triad

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



68.0080, 77.0758, 105.9004



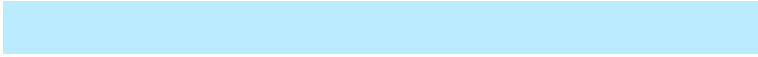
82.4459, 77.0758, 87.1603



69.8647, 77.0758, 62.5521

Complementary

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



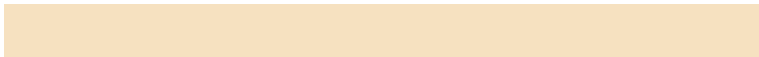
68.0080, 77.0758, 105.9004



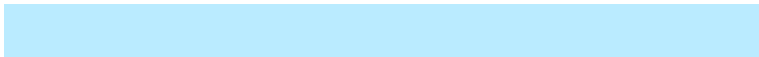
72.1742, 68.9471, 55.9602

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.



74.3803, 77.0758, 61.0930



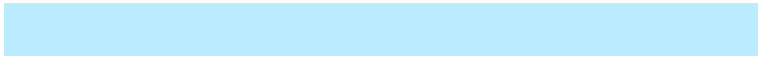
68.0080, 77.0758, 105.9004



81.7719, 77.0758, 74.4316

Square

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



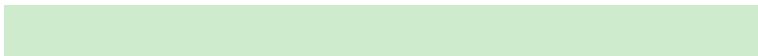
68.0080, 77.0758, 105.9004



80.5766, 77.0758, 100.2955



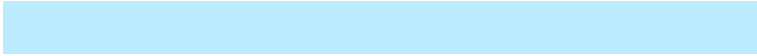
78.7720, 77.0758, 65.2173



66.3970, 77.0758, 69.4360

Rectangle

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



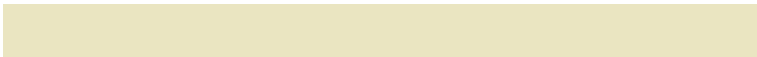
68.0080, 77.0758, 105.9004



75.2464, 77.0758, 111.3085



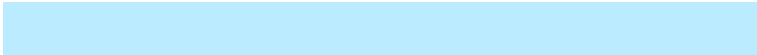
78.7720, 77.0758, 65.2173



71.3054, 77.0758, 61.4427

Sweetspot

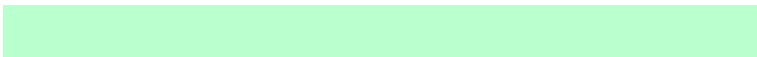
The Sweet Spot groups the original color and five complimentary colors.



68.0101, 77.0788, 105.9009



86.0819, 92.6200, 107.9482



67.0967, 86.3940, 71.2470



18.0841, 19.5398, 23.0684



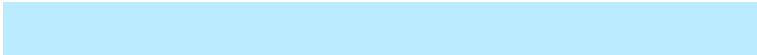
0.0000, 0.0000, 0.0000



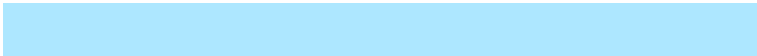
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0101, 77.0788, 105.9009



64.0468, 73.4991, 105.4189



59.1760, 59.4106, 102.9562



18.0841, 19.5398, 23.0684



18.2111, 21.3319, 52.5922



1.8672, 2.2652, 5.1521

Inverse Universe

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



73.7956, 62.3775, 86.7514



70.7340, 57.0902, 83.1539



81.2783, 87.1553, 58.9949



18.5551, 18.2053, 21.5402



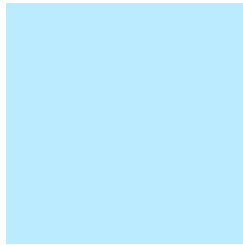
25.9803, 12.8814, 24.3447



2.5771, 1.2732, 2.6204

Previews

White Background



This preview shows how the XYZ color 68.0080, 77.0758, 105.9004 looks on a white background.

Color Contrast Check

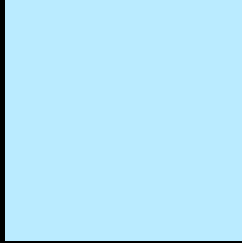
Large Text (above 18pt) WCAG AA × Fail

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 68.0080, 77.0758, 105.9004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

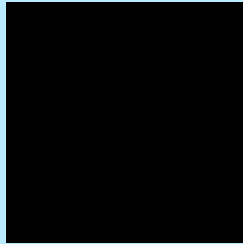
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0080, 77.0758, 105.9004

Background



This preview shows how black text looks on a background with the XYZ color 68.0080, 77.0758, 105.9004.



This preview shows how white text looks on a background with the XYZ color 68.0080, 77.0758,

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

67.8474, 77.0115, 105.0547

Trichromacy



Original Color

68.0080, 77.0758, 105.9004

Protanomaly

72.0102, 76.7053, 102.2770

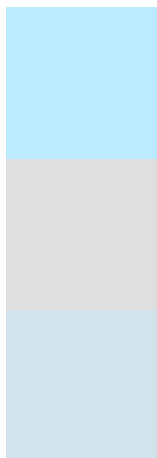
Deuteranomaly

73.8380, 76.7571, 105.5317

Tritanomaly

67.8474, 77.0115, 105.0547

Monochromacy



Original Color

68.0080, 77.0758, 105.9004

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0428, 74.6380, 89.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0080, 77.0758, 105.9004 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0080, 77.0758, 105.9004 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, 235, 255) }
```


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

```
.border{ border-color:rgb(186, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0080, 77.0758, 105.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 235, 255) }
```

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

```
.background{ background-color: rgb(186,  
235, 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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