

Converting Colors

XYZ(67.9315, 77.0733,
104.2248)

Have a look what the booklet for
XYZ(67.9315, 77.0733, 104.2248)
contains.

XYZ(67.9315, 77.0733, 104.2248)	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(67.9315, 77.0733,
104.2248)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEBFD
RGB	187, 235, 253
RGB Percent	73%, 92%, 99%
CMY	0.2667, 0.0784, 0.0078
CMYK	0.26, 0.07, 0.00, 0.01
HSL	196°, 94%, 86%
HSV	196°, 26%, 99%
XYZ	67.9315, 77.0733, 104.2248
YIQ	222.7000, -34.3860, -4.5780

Conversions

Conversions Part 2

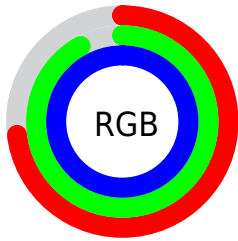
Format	Color
RYB	187, 215, 253
Decimal	12315645
CIELab	90.36, -11.39, -13.73
CIELCh	90, 17.841, 230.340
Yxy	77.0733, 0.2726, 0.3092
Android (android.graphics.Color)	4290505725 (0xFFBBEBFD)
YUV	222.7000, 14.9379, -31.3089
Hunter-Lab	87.7914, -15.5147, -8.9343

Details

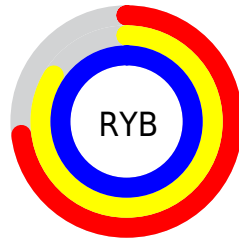
The XYZ color **67.9315, 77.0733, 104.2248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3100, 68.1338, 56.4082**, and the grayscale version is **69.8432, 73.4805, 80.0202**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.5996, 41.1313, 58.2874** is the 20% darker color. If you saturate the color by 10%, you get **60.3423, 70.2871, 103.3162**, and if you desaturate by 10%, it is **76.6923, 84.5810, 105.2135**.

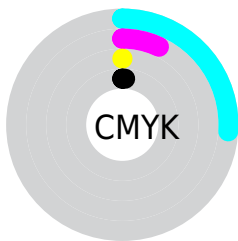
Distribution



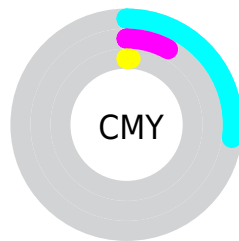
- Red (73%)
- Green (92%)
- Blue (99%)



- Red (73%)
- Yellow (84%)
- Blue (99%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (27%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9315, 77.0733, 104.2248 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 67.9315, 77.0733, 104.2248 by changing the saturation by 10% instead.

67.9315, 77.0733,
104.2248

67.9315, 77.0733,
104.2248

442.6338,
485.0139, 595.0165

50.1155, 57.3130,
79.1970

115.2966,
129.2429, 169.0533

35.7233, 41.2566,
58.5355

145.5764,
162.4211, 209.6912

24.3897, 28.5197,
41.8218

180.7415,
200.8407, 256.3695

15.7493, 18.7178,
28.6373

221.1572,
244.8861, 309.5068

9.4366, 11.4665,
18.5634

267.1889,
294.9418, 369.5216

5.0864, 6.3815,
11.1816

319.2021,

2.3333, 3.0784,

351.3920, 436.8324

6.0734

377.5619,
414.6213, 511.8579

■ 0.8116, 1.1728,
2.8203

■ 0.0000, 0.0393,
1.0036

■ 67.9315, 77.0733,
104.2248

■ 67.9315, 77.0733,
104.2248

■ 60.3423, 70.2871,
103.3162

■ 76.6923, 84.5810,
105.2135

■ 53.8598, 64.1819,
102.4795

■ 86.6715, 92.8300,
106.2797

■ 48.4228, 58.7269,
101.7131

■ 94.7299, 99.8719,
107.2142

■ 43.9613, 53.8847,
101.0136

■ 40.3962, 49.6131,
100.3770

■ 37.6350, 45.8630,
99.7987

■ 35.5629, 42.5739,
99.2730

■ 34.8726, 41.3773,
99.0785

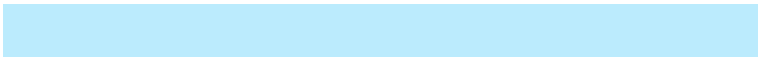
Harmonies

Analogous

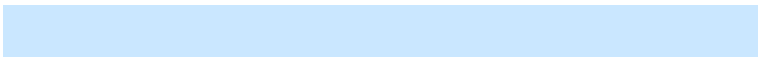
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5252, 77.0733, 92.7250



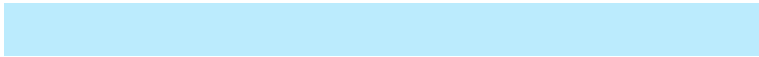
67.9315, 77.0733, 104.2248



71.8299, 77.0733, 110.4577

Triad

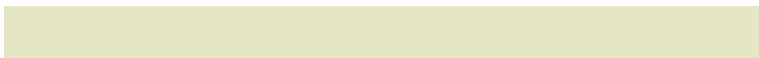
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9315, 77.0733, 104.2248



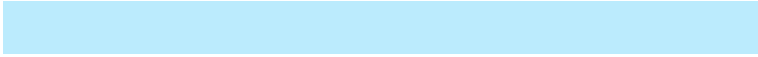
82.0152, 77.0733, 88.0977



70.3230, 77.0733, 62.9835

Complementary

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



67.9315, 77.0733, 104.2248



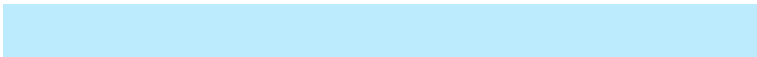
71.3100, 68.1338, 56.4082

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.



74.7005, 77.0733, 62.0140



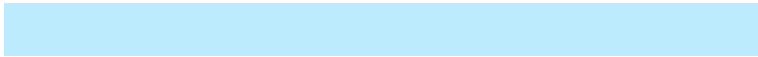
67.9315, 77.0733, 104.2248



81.5718, 77.0733, 75.6903

Square

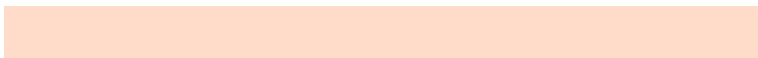
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9315, 77.0733, 104.2248



80.0395, 77.0733, 100.5443



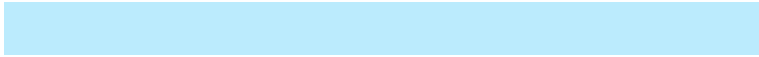
78.8514, 77.0733, 66.4396



66.8667, 77.0733, 69.2368

Rectangle

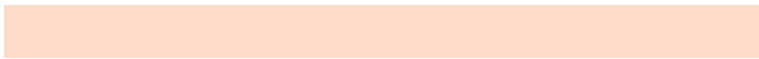
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9315, 77.0733, 104.2248



74.8017, 77.0733, 110.3972



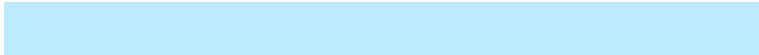
78.8514, 77.0733, 66.4396



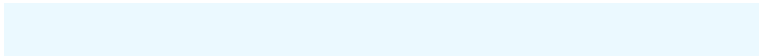
71.7314, 77.0733, 62.0553

Sweetspot

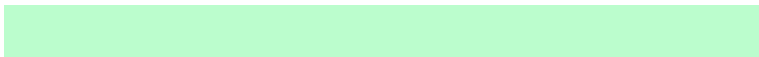
The Sweet Spot groups the original color and five complimentary colors.



67.9338, 77.0764, 104.2266



86.1900, 92.8361, 107.9842



66.5917, 85.2054, 70.4431



18.1114, 19.5944, 23.0775



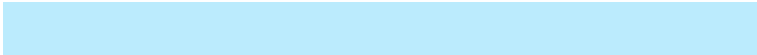
0.0000, 0.0000, 0.0000



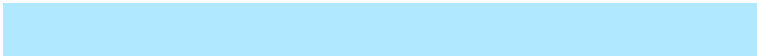
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9338, 77.0764, 104.2266



65.2079, 74.9737, 105.6423



59.4394, 60.0875, 101.3951



18.1114, 19.5944, 23.0775



18.6783, 22.2662, 52.7479



1.9097, 2.3500, 5.1662

Inverse Universe

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



73.2757, 62.4234, 86.7876



71.5270, 58.1997, 84.8874



79.9374, 85.3885, 59.2840



18.5689, 18.2109, 21.6128



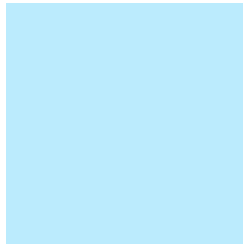
26.2162, 12.9758, 25.5865



2.5985, 1.2818, 2.7332

Previews

White Background



This preview shows how the XYZ color 67.9315, 77.0733, 104.2248 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 67.9315, 77.0733, 104.2248 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 67.9315, 77.0733, 104.2248

Background



This preview shows how black text looks on a background with the XYZ color 67.9315, 77.0733, 104.2248.



This preview shows how white text looks on a background with the XYZ color 67.9315, 77.0733,

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

67.9315, 77.0733, 104.2248

Protanopia

74.7651, 76.5734, 98.8353

Deuteranopia

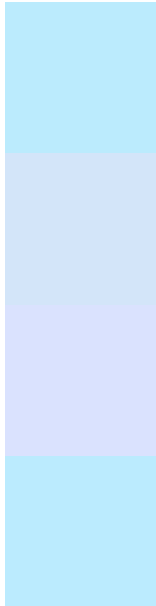
78.1674, 76.5951, 105.2722



Tritanopia

68.0912, 77.1372, 105.0661

Trichromacy



Original Color

67.9315, 77.0733, 104.2248

Protanomaly

71.9822, 76.7271, 100.6385

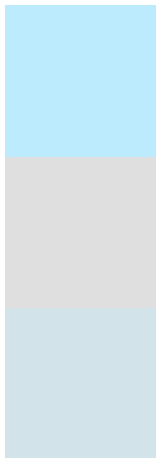
Deuteranomaly

73.9992, 76.4539, 104.6228

Tritanomaly

68.0912, 77.1372, 105.0661

Monochromacy



Original Color

67.9315, 77.0733, 104.2248

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8987, 74.5803, 88.6060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9315, 77.0733, 104.2248 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(187, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(187, 235, 253)  
}
```

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(187, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 235, 253) }
```

Border

The CSS property to change the border of an element to XYZ 67.9315, 77.0733, 104.2248 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(187, 235, 253) }
```


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

```
.border{ border-color:rgb(187, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(187, 235,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9315, 77.0733, 104.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 235, 253) }
```

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

```
.background{ background-color: rgb(187,  
235, 253) }
```

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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