

Converting Colors

XYZ(67.8766, 77.9727,
101.0953)

Have a look what the booklet for
XYZ(67.8766, 77.9727, 101.0953)
contains.

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Color

**XYZ(67.8766, 77.9727,
101.0953)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEDF9
RGB	187, 237, 249
RGB Percent	73%, 93%, 98%
CMY	0.2667, 0.0706, 0.0235
CMYK	0.25, 0.05, 0.00, 0.02
HSL	192°, 84%, 85%
HSV	192°, 25%, 98%
XYZ	67.8766, 77.9727, 101.0953
YIQ	223.4180, -33.6520, -6.8680

Conversions

Conversions Part 2

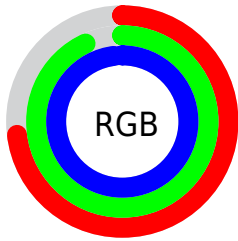
Format	Color
R _{YB}	187, 215, 249
Decimal	12316153
CIE _{Lab}	90.77, -13.28, -11.03
CIE _{LCh}	91, 17.267, 219.708
Yxy	77.9727, 0.2749, 0.3157
Android (android.graphics.Color)	4290506233 (0xFFBBEDF9)
YUV	223.4180, 12.6119, -31.9386
Hunter-Lab	88.3022, -17.3184, -6.0684

Details

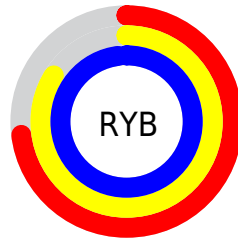
The XYZ color **67.8766, 77.9727, 101.0953** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4609, 64.5749, 55.8714**, and the grayscale version is **70.3686, 74.0332, 80.6222**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.6652, 41.8035, 56.6412** is the 20% darker color. If you saturate the color by 10%, you get **60.9294, 72.3500, 100.3774**, and if you desaturate by 10%, it is **75.9221, 84.2212, 101.8786**.

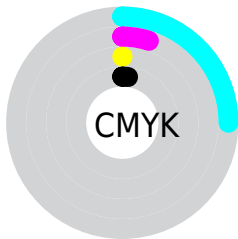
Distribution



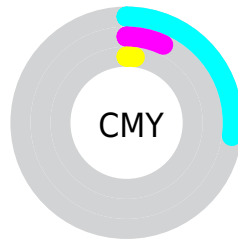
- Red (73%)
- Green (93%)
- Blue (98%)



- Red (73%)
- Yellow (84%)
- Blue (98%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (27%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8766, 77.9727, 101.0953 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 67.8766, 77.9727, 101.0953 by changing the saturation by 10% instead.

67.8766, 77.9727,
101.0953

67.8766, 77.9727,
101.0953

442.4423,
488.0741, 584.9753

50.0707, 58.0516,
76.5936

115.2185,
130.5116, 164.7265

35.6876, 41.8501,
56.4098

145.4851,
163.8982, 204.6932

24.3620, 28.9839,
40.1254

180.6360,
202.5421, 250.6519

15.7285, 19.0687,
27.3218

221.0366,
246.8276, 303.0212

9.4219, 11.7199,
17.5805

267.0521,
297.1391, 362.2196

5.0767, 6.5533,
10.4829

319.0480,

2.3275, 3.1843,

353.8611, 428.6658

5.6105

377.3896,
417.3780, 502.7781

0.8087, 1.2287,
2.5448

0.0000, 0.0850,
0.8638

67.8766, 77.9727,
101.0953

67.8766, 77.9727,
101.0953

60.9294, 72.3500,
100.3774

75.9221, 84.2212,
101.8786

55.0188, 67.3148,
99.7171

85.1097, 91.1126,
102.7246

50.0873, 62.8393,
99.1131

92.9800, 97.3815,
103.5198

46.0691, 58.8889,
98.5624

94.0991, 99.6197,
103.8928

■ 42.8898, 55.4248,
98.0614

■ 40.4628, 52.4021,
97.6058

■ 38.6820, 49.7655,
97.1908

■ 37.9435, 48.5283,
96.9909

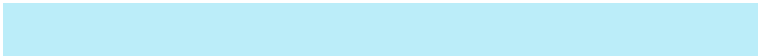
Harmonies

Analogous

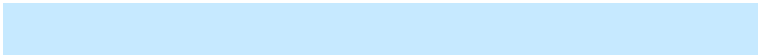
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.1885, 77.9727, 88.9918



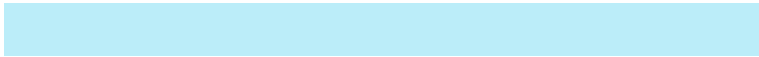
67.8766, 77.9727, 101.0953



71.2552, 77.9727, 109.3364

Triad

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



67.8766, 77.9727, 101.0953



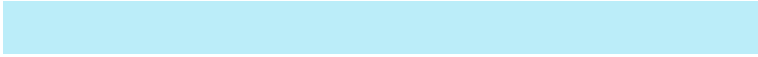
82.2136, 77.9727, 93.4569



72.7129, 77.9727, 63.4604

Complementary

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



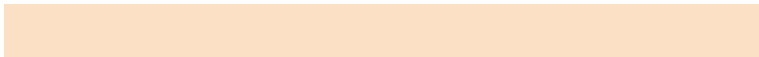
67.8766, 77.9727, 101.0953



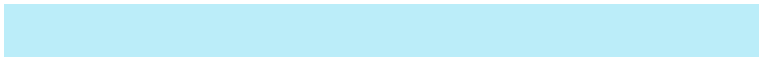
68.4609, 64.5749, 55.8714

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.



77.0415, 77.9727, 64.4045



67.8766, 77.9727, 101.0953



82.6411, 77.9727, 80.9337

Square

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



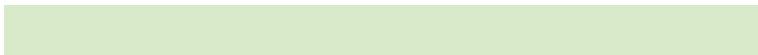
67.8766, 77.9727, 101.0953



79.5690, 77.9727, 104.6367



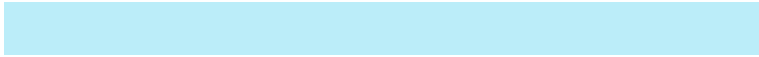
80.7153, 77.9727, 70.5321



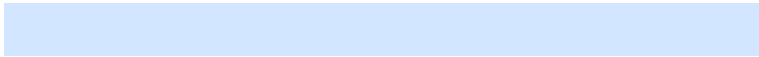
68.9079, 77.9727, 67.8140

Rectangle

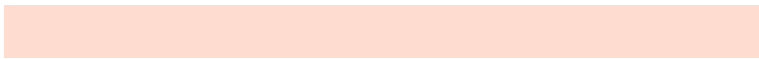
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8766, 77.9727, 101.0953



74.0682, 77.9727, 111.1006



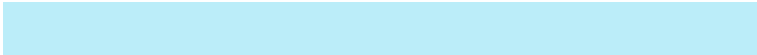
80.7153, 77.9727, 70.5321



74.1532, 77.9727, 63.1793

Sweetspot

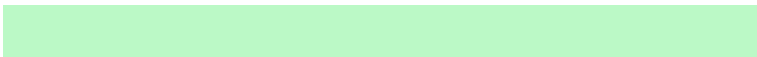
The Sweet Spot groups the original color and five complimentary colors.



67.8789, 77.9759, 101.0971



87.6931, 94.5863, 108.2428



64.6062, 82.4118, 66.1518



18.6404, 20.1489, 23.1566



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.



67.8789, 77.9759, 101.0971



67.7431, 79.1804, 106.3206



59.8181, 61.8543, 98.4102



17.4637, 19.0042, 22.1330



20.4111, 26.1779, 51.9506



1.9610, 2.5657, 4.8351

Inverse Universe

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



72.1252, 61.7967, 88.2508



73.0175, 59.6031, 90.2476



76.1589, 79.9709, 58.4374



17.8406, 17.4636, 21.0162



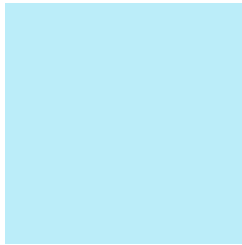
26.5946, 13.0536, 30.9034



2.4988, 1.2232, 3.0499

Previews

White Background



This preview shows how the XYZ color 67.8766, 77.9727, 101.0953 looks on a white background.

Color Contrast Check

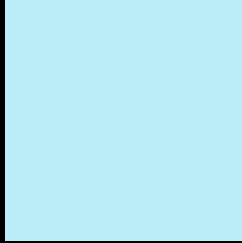
Large Text (above 18pt) WCAG AA × Fail

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 67.8766, 77.9727, 101.0953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

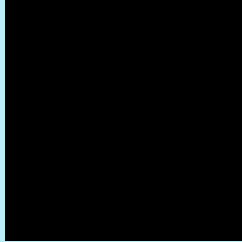
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8766, 77.9727, 101.0953

Background



This preview shows how black text looks on a background with the XYZ color 67.8766, 77.9727, 101.0953.

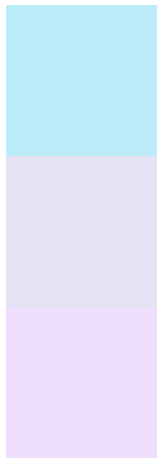


This preview shows how white text looks on a background with the XYZ color 67.8766, 77.9727,

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

67.8766, 77.9727, 101.0953

Protanopia

75.6417, 77.9032, 95.8441

Deuteranopia

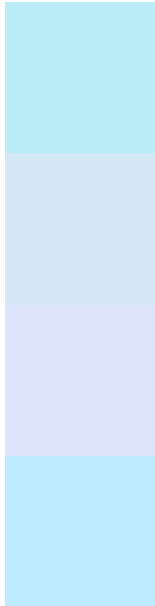
79.2886, 77.6215, 102.8990



Tritanopia

68.7845, 77.9023, 106.0191

Trichromacy



Original Color

67.8766, 77.9727, 101.0953

Protanomaly

72.4979, 77.8905, 97.5995

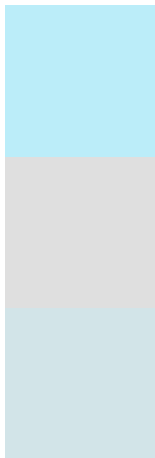
Deuteranomaly

74.3969, 77.1188, 102.2311

Tritanomaly

68.4641, 77.7741, 104.3320

Monochromacy



Original Color

67.8766, 77.9727, 101.0953

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8872, 75.0146, 87.1925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8766, 77.9727, 101.0953 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, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(187, 237, 249)  
}
```

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, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 237, 249) }
```

Border

The CSS property to change the border of an element to XYZ 67.8766, 77.9727, 101.0953 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, 237, 249) }
```


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

```
.border{ border-color:rgb(187, 237, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 237, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(187, 237,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8766, 77.9727, 101.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 237, 249) }
```

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

```
.background{ background-color: rgb(187,  
237, 249) }
```

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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