

Converting Colors

XYZ(69.4563, 77.7894, 99.8506)

Have a look what the booklet for
XYZ(69.4563, 77.7894, 99.8506)
contains.

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Color

**XYZ(69.6776, 78.0643,
100.2025)**

Conversions

Conversions Part 1

Format	Color
Hex	C5EBF8
RGB	197, 235, 248
RGB Percent	77%, 92%, 97%
CMY	0.2274, 0.0784, 0.0274
CMYK	0.21, 0.05, 0.00, 0.03
HSL	195°, 78%, 87%
HSV	195°, 21%, 97%
XYZ	69.6776, 78.0643, 100.2025
YIQ	225.1200, -26.8210, -4.0130

Conversions

Conversions Part 2

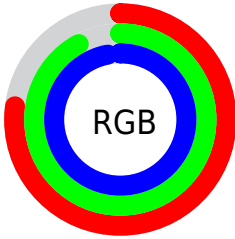
Format	Color
R_{YB}	197, 219, 248
Decimal	12971000
CIE _{Lab}	90.81, -9.55, -10.38
CIE _{LCh}	91, 14.104, 227.408
Yxy	78.0643, 0.2810, 0.3148
Android (android.graphics.Color)	4291161080 (0xFFC5EBF8)
YUV	225.1200, 11.2798, -24.6612
Hunter-Lab	88.3540, -13.8511, -5.3931

Details

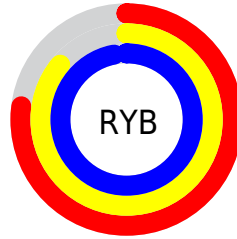
The XYZ color **69.6776, 78.0643, 100.2025** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8369, 70.0811, 62.5658**, and the grayscale version is **71.5915, 75.3198, 82.0233**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **36.7899, 41.7968, 55.9977** is the 20% darker color. If you saturate the color by 10%, you get **61.9334, 71.4352, 99.3324**, and if you desaturate by 10%, it is **78.5590, 85.3791, 101.1476**.

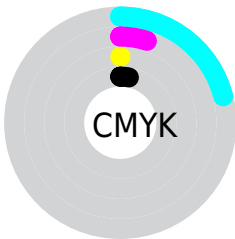
Distribution



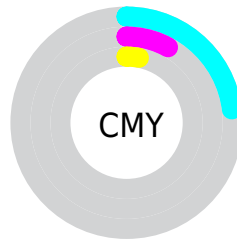
- Red (77%)
- Green (92%)
- Blue (97%)



- Red (77%)
- Yellow (86%)
- Blue (97%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (23%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6776, 78.0643, 100.2025 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 69.6776, 78.0643, 100.2025 by changing the saturation by 10% instead.

■ 69.6776, 78.0643,
100.2025

■ 69.6776, 78.0643,
100.2025

448.7013,
488.3852, 582.0939

■ 51.5424, 58.1268,
75.8518

117.7777,
130.6408, 163.4897

■ 36.8632, 41.9106,
55.8051

148.4732,
164.0485, 203.2634

■ 25.2748, 29.0313,
39.6437

184.0863,
202.7151, 249.0151

■ 16.4117, 19.1045,
26.9492

224.9821,
247.0250, 301.1635

■ 9.9087, 11.7458,
17.3030

271.5262,
297.3626, 360.1270

■ 5.4002, 6.5708,
10.2865

324.0839,

■ 2.5211, 3.1952,

354.1122, 426.3242

5.4812

383.0204,
417.6583, 500.1737

■ 0.9059, 1.2345,
2.4687

■ 0.0000, 0.0896,
0.8235

■ 69.6776, 78.0643,
100.2025

■ 69.6776, 78.0643,
100.2025

■ 61.9334, 71.4352,
99.3324

■ 78.5590, 85.3791,
101.1476

■ 55.2666, 65.4540,
98.5293

■ 88.6199, 93.3963,
102.1648

■ 49.6223, 60.0934,
97.7921

■ 93.6144, 98.8991,
102.9637

■ 44.9377, 55.3200,
97.1176

■ 93.9435, 99.5574,
103.0734

■ 41.1427, 51.0967,
96.5025

■ 38.1572, 47.3811,
95.9426

■ 35.8853, 44.1227,
95.4334

■ 34.2505, 41.3914,
94.9924

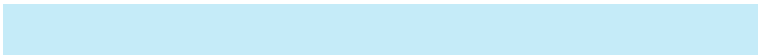
Harmonies

Analogous

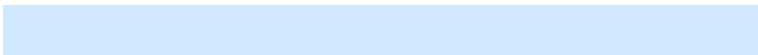
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8791, 78.0643, 90.9764



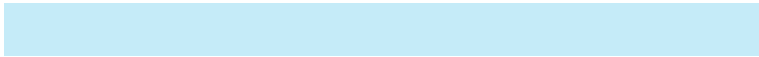
69.6776, 78.0643, 100.2025



72.7210, 78.0643, 105.5193

Triad

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



69.6776, 78.0643, 100.2025



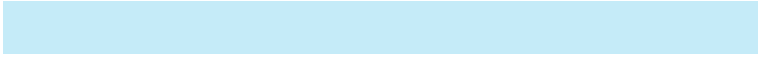
81.0541, 78.0643, 89.3281



72.1763, 78.0643, 67.6918

Complementary

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



69.6776, 78.0643, 100.2025



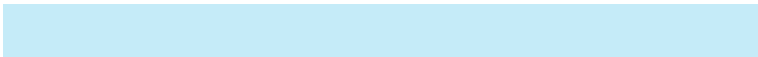
71.8369, 70.0811, 62.5658

Split Complementary

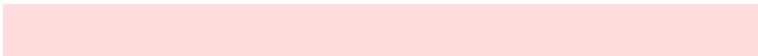
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6945, 78.0643, 67.3276



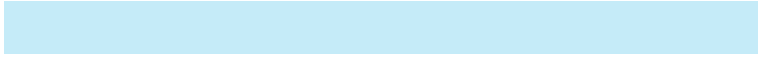
69.6776, 78.0643, 100.2025



80.8969, 78.0643, 79.2888

Square

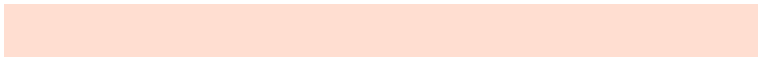
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6776, 78.0643, 100.2025



79.3322, 78.0643, 98.9133



78.9093, 78.0643, 71.4164



69.2898, 78.0643, 72.4544

Rectangle

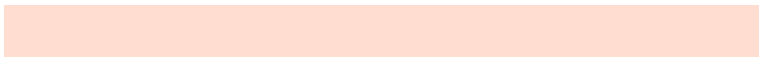
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.6776, 78.0643, 100.2025



75.0804, 78.0643, 105.8741



78.9093, 78.0643, 71.4164



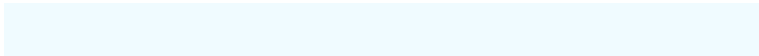
73.3221, 78.0643, 67.0653

Sweetspot

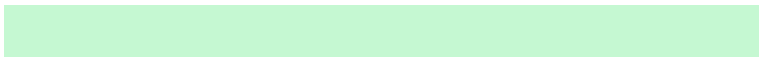
The Sweet Spot groups the original color and five complimentary colors.



69.6799, 78.0675, 100.2043



88.4121, 94.7502, 108.2365



68.1966, 83.6473, 73.3624



18.7752, 20.1617, 23.1520



0.0000, 0.0000, 0.0000



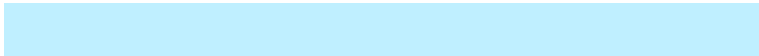
20.3446, 21.4041, 23.3091

Same Dimension

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



69.6799, 78.0675, 100.2043



70.3932, 79.9176, 106.3233



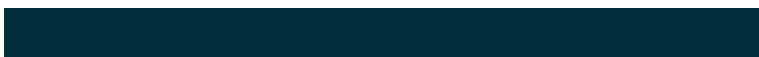
62.9558, 64.6192, 97.9629



17.3694, 18.8157, 22.1016



18.6203, 22.5962, 51.3537



1.8093, 2.2622, 4.7845

Inverse Universe

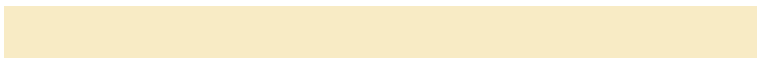
The Inverse Universe completely reimagines the original color for something new.



73.6749, 65.8890, 87.4356



75.4690, 64.8482, 90.0099



78.5709, 83.5491, 64.8105



17.7930, 17.4446, 20.7657



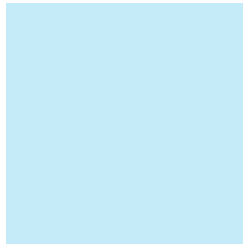
25.6907, 12.6920, 26.1434



2.4222, 1.1926, 2.6465

Previews

White Background



This preview shows how the XYZ color 69.6776, 78.0643, 100.2025 looks on a white background.

Color Contrast Check

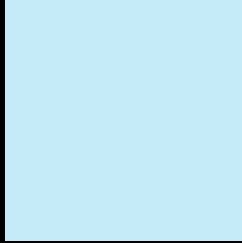
Large Text (above 18pt) WCAG AA × Fail

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 69.6776, 78.0643, 100.2025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

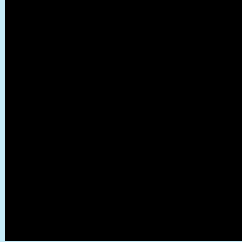
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6776, 78.0643, 100.2025

Background



This preview shows how black text looks on a background with the XYZ color 69.6776, 78.0643, 100.2025.

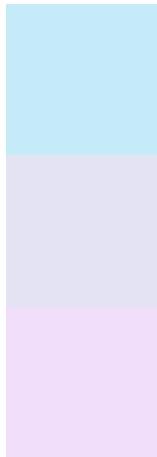


This preview shows how white text looks on a background with the XYZ color 69.6776, 78.0643,

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

69.6776, 78.0643, 100.2025

Protanopia

75.6417, 77.9032, 95.8441

Deuteranopia

79.4690, 77.7329, 102.0823



Tritanopia

70.4411, 77.9433, 104.2604

Trichromacy



Original Color

69.6776, 78.0643, 100.2025

Protanomaly

73.3935, 77.9379, 97.5615

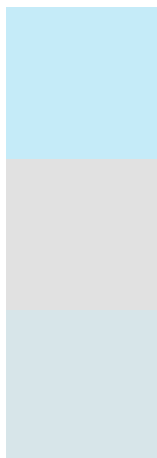
Deuteranomaly

75.4649, 77.6876, 101.4603

Tritanomaly

70.1241, 77.8164, 102.5909

Monochromacy



Original Color

69.6776, 78.0643, 100.2025

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.7516, 76.3689, 88.1025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6776, 78.0643, 100.2025 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(197, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(197, 235, 248)  
}
```

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(197, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 235, 248) }
```

Border

The CSS property to change the border of an element to XYZ 69.6776, 78.0643, 100.2025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

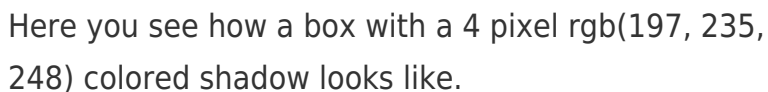
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 235, 248) }
```


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

```
.border{ border-color:rgb(197, 235, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 235, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 235, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 235, 248); box-shadow:4px 4px 4px 4px rgb(197, 235, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6776, 78.0643, 100.2025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 235, 248) }
```

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

```
.background{ background-color: rgb(197,  
235, 248) }
```

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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