

Converting Colors

XYZ(69.7292, 78.5016, 99.4666)

Have a look what the booklet for
XYZ(69.7292, 78.5016, 99.4666)
contains.

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Color

**XYZ(69.8099, 78.5766,
99.4831)**

Conversions

Conversions Part 1

Format	Color
Hex	C5ECF7
RGB	197, 236, 247
RGB Percent	77%, 93%, 97%
CMY	0.2274, 0.0745, 0.0314
CMYK	0.20, 0.04, 0.00, 0.03
HSL	193°, 76%, 87%
HSV	193°, 20%, 97%
XYZ	69.8099, 78.5766, 99.4831
YIQ	225.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

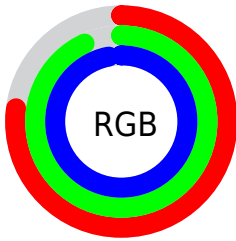
Format	Color
R _Y B	197, 219, 247
Decimal	12971255
CIE Lab	91.04, -10.27, -9.51
CIE LCh	91, 13.997, 222.827
Yxy	78.5766, 0.2816, 0.3170
Android (android.graphics.Color)	4291161335 (0xFFC5ECF7)
YUV	225.5930, 10.5537, -25.0761
Hunter-Lab	88.6434, -14.5509, -4.4898

Details

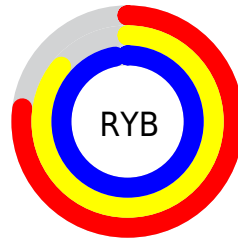
The XYZ color **69.8099, 78.5766, 99.4831** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9924, 68.9173, 62.3856**, and the grayscale version is **71.9369, 75.6832, 82.4190**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **36.8806, 42.1549, 55.4831** is the 20% darker color. If you saturate the color by 10%, you get **62.3248, 72.4330, 98.6931**, and if you desaturate by 10%, it is **78.4069, 85.3680, 100.3421**.

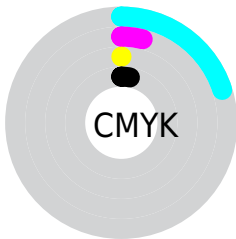
Distribution



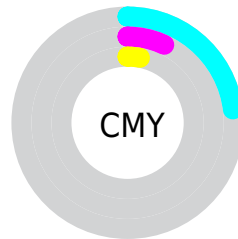
- Red (77%)
- Green (93%)
- Blue (97%)



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



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (23%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8099, 78.5766, 99.4831 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 69.8099, 78.5766, 99.4831 by changing the saturation by 10% instead.

69.8099, 78.5766,
99.4831

69.8099, 78.5766,
99.4831

449.1591,
490.1228, 579.7667

51.6506, 58.5478,
75.2544

117.9654,
131.3626, 162.4923

36.9498, 42.2492,
55.3184

148.6923,
164.8886, 202.1100

25.3421, 29.2965,
39.2564

184.3390,
203.6824, 247.6944

16.4622, 19.3052,
26.6499

225.2711,
248.1285, 299.6641

9.9447, 11.8910,
17.0803

271.8538,
298.6111, 358.4377

5.4243, 6.6695,
10.1292

324.4524,

2.5356, 3.2563,

355.5148, 424.4336

5.3780

383.4324,
419.2239, 498.0704

■ 0.9132, 1.2670,
2.4081

■ 0.0000, 0.1154,
0.7909

■ 69.8099, 78.5766,
99.4831

■ 69.8099, 78.5766,
99.4831

■ 62.3248, 72.4330,
98.6931

■ 78.4069, 85.3680,
100.3421

■ 55.8926, 66.9003,
97.9641

■ 88.1573, 92.8233,
101.2672

■ 50.4595, 61.9520,
97.2954

■ 92.9342, 97.7865,
101.9735

■ 45.9637, 57.5556,
96.6837

■ 93.7887, 99.4955,
102.2583

■ 42.3363, 53.6750,
96.1259

■ 39.4985, 50.2690,
95.6180

■ 37.3566, 47.2884,
95.1556

■ 35.7871, 44.7122,
94.7411

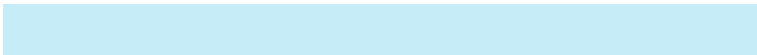
Harmonies

Analogous

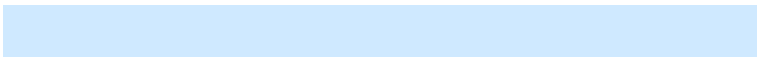
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2515, 78.5766, 89.9513



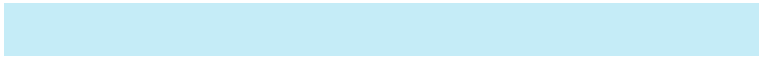
69.8099, 78.5766, 99.4831



72.6958, 78.5766, 105.5346

Triad

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



69.8099, 78.5766, 99.4831



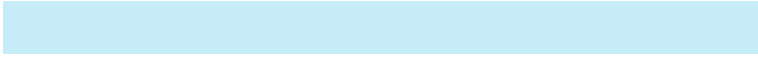
81.3686, 78.5766, 91.4336



73.1859, 78.5766, 67.9455

Complementary

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



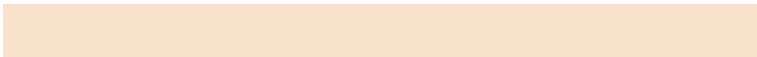
69.8099, 78.5766, 99.4831



70.9924, 68.9173, 62.3856

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.



76.7095, 78.5766, 68.2736



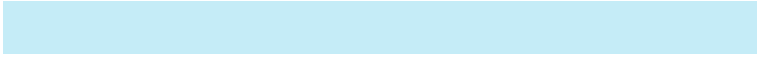
69.8099, 78.5766, 99.4831



81.5099, 78.5766, 81.3073

Square

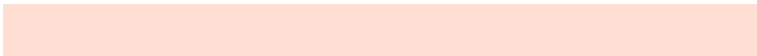
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



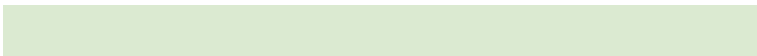
69.8099, 78.5766, 99.4831



79.4011, 78.5766, 100.6417



79.7813, 78.5766, 72.9944



70.1589, 78.5766, 72.0596

Rectangle

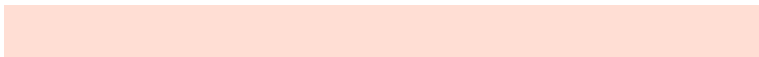
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8099, 78.5766, 99.4831



75.0204, 78.5766, 106.5085



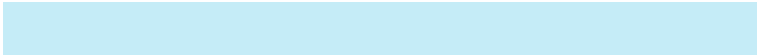
79.7813, 78.5766, 72.9944



74.3500, 78.5766, 67.5500

Sweetspot

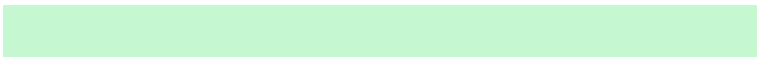
The Sweet Spot groups the original color and five complimentary colors.



69.8122, 78.5798, 99.4849



88.5793, 95.0845, 108.2923



67.6529, 82.9391, 72.0118



18.8148, 20.2409, 23.1652



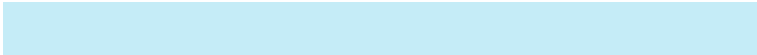
0.0000, 0.0000, 0.0000



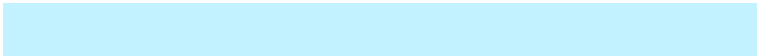
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8122, 78.5798, 99.4849



71.8621, 81.8934, 106.6272



63.1517, 65.2587, 97.2647



16.6694, 18.1031, 21.1582



19.0361, 23.8660, 50.1413



1.7476, 2.2467, 4.4318

Inverse Universe

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



73.4662, 65.7646, 88.1822



76.4452, 66.1378, 92.3791



77.5290, 81.9903, 64.5644



17.0485, 16.7022, 20.0018



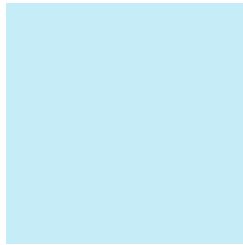
25.4131, 12.5087, 27.9472



2.2712, 1.1144, 2.6545

Previews

White Background



This preview shows how the XYZ color 69.8099, 78.5766, 99.4831 looks on a white background.

Color Contrast Check

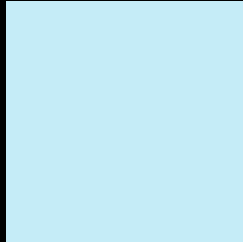
Large Text (above 18pt) WCAG AA × Fail

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 69.8099, 78.5766, 99.4831 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 69.8099, 78.5766, 99.4831

Background



This preview shows how black text looks on a background with the XYZ color 69.8099, 78.5766, 99.4831.

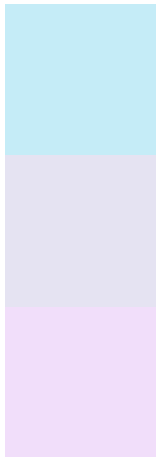


This preview shows how white text looks on a background with the XYZ color 69.8099, 78.5766,

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

69.8099, 78.5766, 99.4831

Protanopia

75.8092, 78.0070, 95.0657

Deuteranopia

79.6522, 77.8455, 101.2700



Tritanopia

70.8864, 78.5782, 105.1969

Trichromacy



Original Color

69.8099, 78.5766, 99.4831

Protanomaly

73.2412, 77.8770, 96.7595

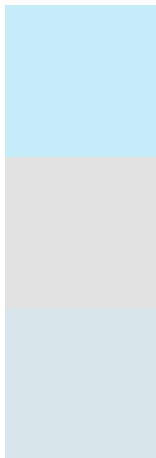
Deuteranomaly

75.6193, 77.7853, 100.6510

Tritanomaly

70.4096, 78.3875, 102.6861

Monochromacy



Original Color

69.8099, 78.5766, 99.4831

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.1724, 76.9812, 88.9496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8099, 78.5766, 99.4831 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, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(197, 236, 247)  
}
```

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, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 236, 247) }
```

Border

The CSS property to change the border of an element to XYZ 69.8099, 78.5766, 99.4831 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, 236, 247) }
```


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

```
.border{ border-color:rgb(197, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(197, 236,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8099, 78.5766, 99.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 236, 247) }
```

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

```
.background{ background-color: rgb(197,  
236, 247) }
```

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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