

Converting Colors

XYZ(69.9623, 79.1734, 98.1910)

Have a look what the booklet for
XYZ(69.9623, 79.1734, 98.1910)
contains.

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Color

**XYZ(69.7916, 79.0313,
97.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	C5EDF5
RGB	197, 237, 245
RGB Percent	77%, 93%, 96%
CMY	0.2274, 0.0706, 0.0392
CMYK	0.20, 0.03, 0.00, 0.04
HSL	190°, 71%, 87%
HSV	190°, 20%, 96%
XYZ	69.7916, 79.0313, 97.9624
YIQ	225.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

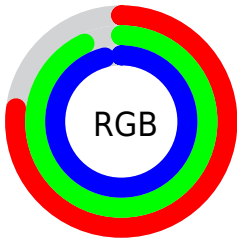
Format	Color
R _Y B	197, 219, 245
Decimal	12971509
CIE Lab	91.25, -11.19, -8.17
CIE LCh	91, 13.855, 216.112
Yxy	79.0313, 0.2828, 0.3202
Android (android.graphics.Color)	4291161589 (0xFFC5EDF5)
YUV	225.9520, 9.3907, -25.3909
Hunter-Lab	88.8996, -15.4408, -3.1046

Details

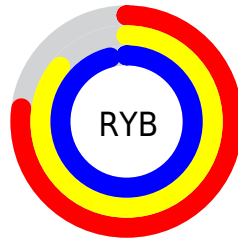
The XYZ color **69.7916, 79.0313, 97.9624** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5663, 67.1065, 62.1112**, and the grayscale version is **72.2039, 75.9641, 82.7250**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **36.8645, 42.4727, 54.3992** is the 20% darker color. If you saturate the color by 10%, you get **62.7226, 73.6546, 97.2984**, and if you desaturate by 10%, it is **77.9348, 85.0058, 98.6877**.

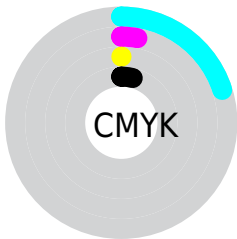
Distribution



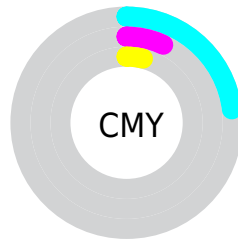
- Red (77%)
- Green (93%)
- Blue (96%)



- Red (77%)
- Yellow (86%)
- Blue (96%)



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



- Cyan (23%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7916, 79.0313, 97.9624 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 69.7916, 79.0313, 97.9624 by changing the saturation by 10% instead.

■ 69.7916, 79.0313,
97.9624

■ 69.7916, 79.0313,
97.9624

449.0958,
491.6622, 574.8308

■ 51.6356, 58.9215,
73.9926

117.9394,
132.0029, 160.3816

■ 36.9378, 42.5500,
54.2912

148.6620,
165.6336, 199.6680

■ 25.3328, 29.5322,
38.4398

184.3041,
204.5400, 244.8971

■ 16.4552, 19.4838,
26.0197

225.2311,
249.1066, 296.4874

■ 9.9397, 12.0204,
16.6125

271.8085,
299.7177, 354.8573

■ 5.4210, 6.7575,
9.7996

324.4015,

■ 2.5336, 3.3109,

356.7577, 420.4255

5.1624

383.3754,
420.6111, 493.6105

■ 0.9122, 1.2961,
2.2825

■ 0.0000, 0.1382,
0.7214

■ 69.7916, 79.0313,
97.9624

■ 69.7916, 79.0313,
97.9624

■ 62.7226, 73.6546,
97.2984

■ 77.9348, 85.0058,
98.6877

■ 56.6702, 68.8396,
96.6881

■ 87.1921, 91.5928,
99.4712

■ 51.5823, 64.5612,
96.1304

■ 91.6748, 95.7589,
100.0391

■ 47.3989, 60.7883,
95.6227

■ 92.9519, 98.3131,
100.4648

■ 44.0533, 57.4861,
95.1616

■ 93.4817, 99.3727,
100.6414

■ 41.4694, 54.6152,
94.7437

■ 39.5565, 52.1286,
94.3645

■ 38.1705, 49.9517,
94.0174

■ 38.1182, 49.8658,
94.0035

Harmonies

Analogous

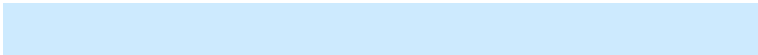
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5994, 79.0313, 88.1275



69.7916, 79.0313, 97.9624



72.4149, 79.0313, 104.9768

Triad

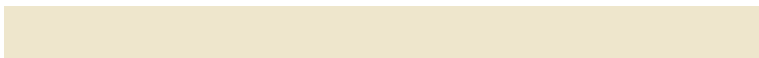
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7916, 79.0313, 97.9624



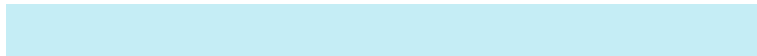
81.4631, 79.0313, 94.1247



74.4001, 79.0313, 68.2160

Complementary

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



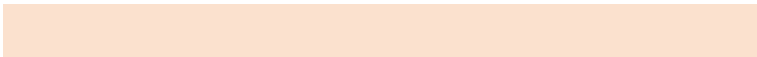
69.7916, 79.0313, 97.9624



69.5663, 67.1065, 62.1112

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.



77.8853, 79.0313, 69.5497



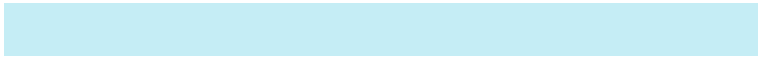
69.7916, 79.0313, 97.9624



82.0346, 79.0313, 84.0087

Square

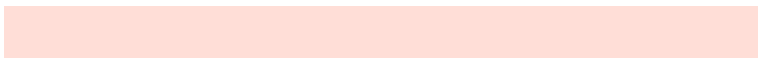
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



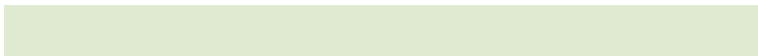
69.7916, 79.0313, 97.9624



79.1681, 79.0313, 102.6431



80.7064, 79.0313, 75.1477



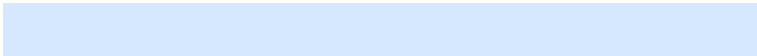
71.2063, 79.0313, 71.3520

Rectangle

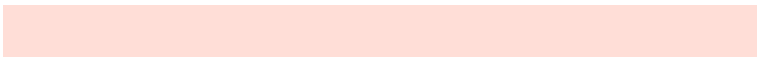
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7916, 79.0313, 97.9624



74.6598, 79.0313, 106.8286



80.7064, 79.0313, 75.1477



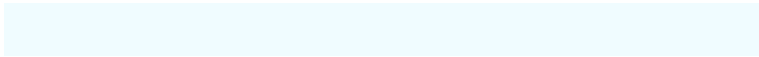
75.5758, 79.0313, 68.1600

Sweetspot

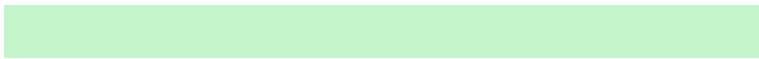
The Sweet Spot groups the original color and five complimentary colors.



69.7939, 79.0345, 97.9642



88.8356, 95.5972, 108.3777



66.6029, 81.5458, 69.4837



18.8755, 20.3624, 23.1854



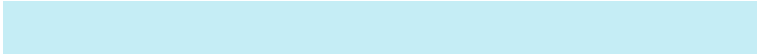
0.0000, 0.0000, 0.0000



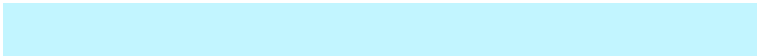
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7939, 79.0345, 97.9642



72.8399, 83.8491, 106.9532



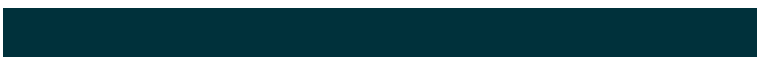
63.5049, 66.4564, 95.8678



16.7480, 18.2602, 21.1844



20.6230, 27.0398, 50.6703



1.8736, 2.4986, 4.4738

Inverse Universe

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



72.9104, 65.4612, 88.9170



76.9388, 66.3352, 94.9782



75.5341, 79.0421, 64.1005



17.0881, 16.7181, 20.2106



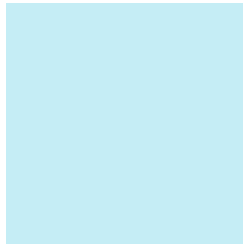
26.2141, 12.8291, 32.1653



2.3348, 1.1399, 2.9893

Previews

White Background



This preview shows how the XYZ color 69.7916, 79.0313, 97.9624 looks on a white background.

Color Contrast Check

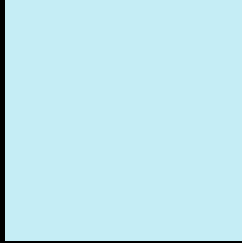
Large Text (above 18pt) WCAG AA × Fail

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 69.7916, 79.0313, 97.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

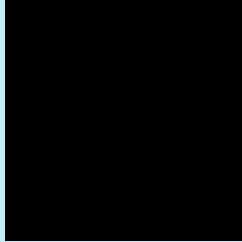
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7916, 79.0313, 97.9624

Background



This preview shows how black text looks on a background with the XYZ color 69.7916, 79.0313, 97.9624.



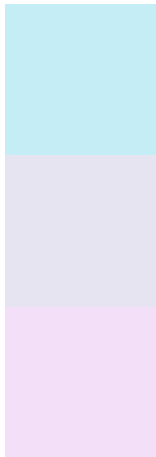
This preview shows how white text looks on a background with the XYZ color 69.7916, 79.0313,

97.9624.

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

69.7916, 79.0313, 97.9624

Protanopia

76.1047, 78.6011, 93.5985

Deuteranopia

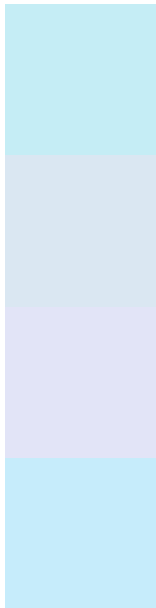
80.2931, 78.6073, 99.7478



Tritanopia

71.4380, 79.2888, 105.3050

Trichromacy



Original Color

69.7916, 79.0313, 97.9624

Protanomaly

73.5164, 78.4681, 95.2755

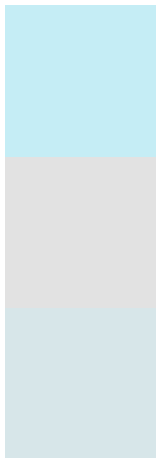
Deuteranomaly

75.8959, 78.3710, 99.1227

Tritanomaly

70.6967, 78.9617, 102.7818

Monochromacy



Original Color

69.7916, 79.0313, 97.9624

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0291, 76.9239, 88.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7916, 79.0313, 97.9624 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, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(197, 237, 245)  
}
```

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, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 237, 245) }
```

Border

The CSS property to change the border of an element to XYZ 69.7916, 79.0313, 97.9624 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, 237, 245) }
```


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

```
.border{ border-color:rgb(197, 237, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 237, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(197, 237,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7916, 79.0313, 97.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 237, 245) }
```

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

```
.background{ background-color: rgb(197,  
237, 245) }
```

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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