

Converting Colors

XYZ(72.4246, 81.0122, 99.6707)

Have a look what the booklet for
XYZ(72.4246, 81.0122, 99.6707)
contains.

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Color

**XYZ(72.5568, 81.2858,
99.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEFF7
RGB	204, 239, 247
RGB Percent	80%, 94%, 97%
CMY	0.2000, 0.0627, 0.0314
CMYK	0.17, 0.03, 0.00, 0.03
HSL	191°, 73%, 88%
HSV	191°, 17%, 97%
XYZ	72.5568, 81.2858, 99.8613
YIQ	229.4470, -23.4280, -4.9320

Conversions

Conversions Part 2

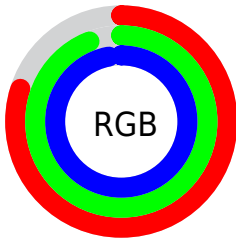
Format	Color
RYB	204, 223, 247
Decimal	13430775
CIELab	92.26, -9.67, -7.66
CIElCh	92, 12.336, 218.404
Yxy	81.2858, 0.2860, 0.3204
Android (android.graphics.Color)	4291620855 (0xFFCCEFF7)
YUV	229.4470, 8.6536, -22.3170
Hunter-Lab	90.1586, -14.1265, -2.5596

Details

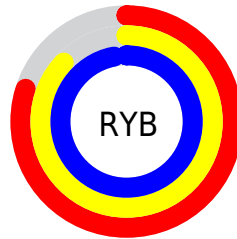
The XYZ color **72.5568, 81.2858, 99.8613** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8009, 71.2206, 67.0380**, and the grayscale version is **74.7579, 78.6511, 85.6511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7319, 44.0181, 55.7452** is the 20% darker color. If you saturate the color by 10%, you get **64.9892, 75.4155, 99.1284**, and if you desaturate by 10%, it is **81.2370, 87.7846, 100.6595**.

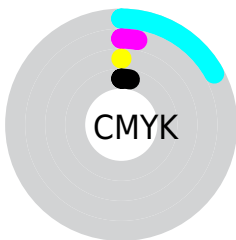
Distribution



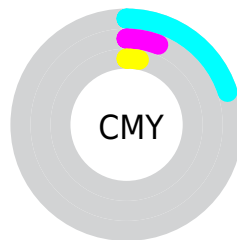
- Red (80%)
- Green (94%)
- Blue (97%)



- Red (80%)
- Yellow (87%)
- Blue (97%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5568, 81.2858, 99.8613 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 72.5568, 81.2858, 99.8613 by changing the saturation by 10% instead.

72.5568, 81.2858,
99.8613

72.5568, 81.2858,
99.8613

458.6049,
499.2556, 580.9908

53.9007, 60.7770,
75.5685

121.8544,
135.1720, 163.0168

38.7527, 44.0452,
55.5742

153.2265,
169.3182, 202.7165

26.7472, 30.7061,
39.4599

189.5682,
208.7790, 248.3889

17.5191, 20.3751,
26.8071

231.2445,
253.9387, 300.4526

10.7029, 12.6680,
17.1973

278.6210,
305.1819, 359.3261

5.9332, 7.2003,
10.2118

332.0630,

2.8448, 3.5877,

362.8928, 425.4280

5.4322

391.9359,
427.4559, 499.1767

■ 1.0722, 1.4457,
2.4399

■ 0.0017, 0.2501,
0.8080

■ 72.5568, 81.2858,
99.8613

■ 72.5568, 81.2858,
99.8613

■ 64.9892, 75.4155,
99.1284

■ 81.2370, 87.7846,
100.6595

■ 58.4762, 70.1372,
98.4528

■ 91.0699, 94.9267,
101.5198

■ 52.9656, 65.4255,
97.8338

■ 93.0864, 98.0907,
102.0243

■ 48.3973, 61.2493,
97.2685

■ 93.7888, 99.4955,
102.2584

■ 44.7050, 57.5739,
96.7537

■ 41.8133, 54.3601,
96.2858

■ 39.6335, 51.5617,
95.8605

■ 38.0498, 49.1187,
95.4724

■ 37.6910, 48.5200,
95.3758

Harmonies

Analogous

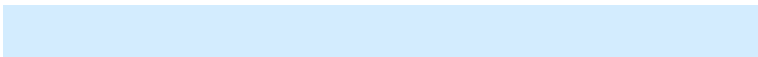
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3553, 81.2858, 91.0961



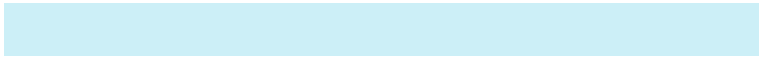
72.5568, 81.2858, 99.8613



75.0264, 81.2858, 105.8462

Triad

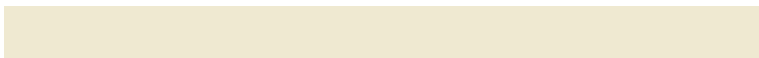
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5568, 81.2858, 99.8613



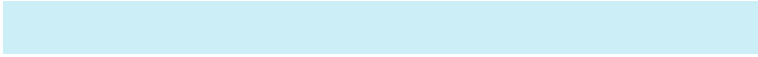
83.0982, 81.2858, 95.1235



76.3676, 81.2858, 72.2568

Complementary

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



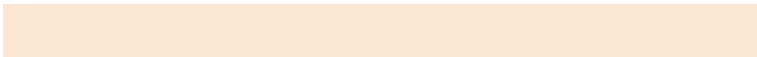
72.5568, 81.2858, 99.8613



72.8009, 71.2206, 67.0380

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.



79.5369, 81.2858, 73.1720



72.5568, 81.2858, 99.8613



83.4812, 81.2858, 85.9663

Square

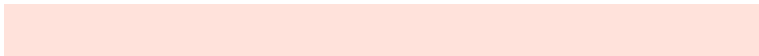
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5568, 81.2858, 99.8613



81.1289, 81.2858, 102.9827



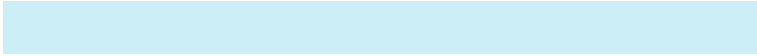
82.1616, 81.2858, 78.0467



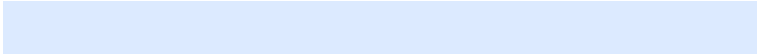
73.5155, 81.2858, 75.4546

Rectangle

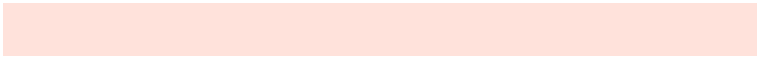
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5568, 81.2858, 99.8613



77.0892, 81.2858, 107.2324



82.1616, 81.2858, 78.0467



77.4305, 81.2858, 72.0982

Sweetspot

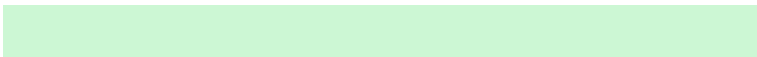
The Sweet Spot groups the original color and five complimentary colors.



72.5592, 81.2891, 99.8631



89.7621, 96.1580, 108.4371



70.0329, 84.1079, 74.7549



19.0591, 20.4692, 23.1964



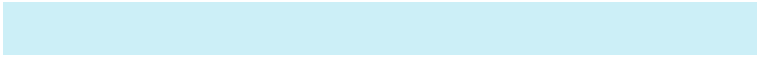
0.0000, 0.0000, 0.0000



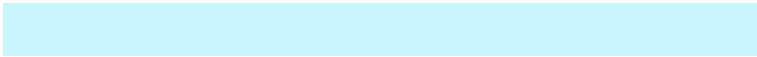
20.3446, 21.4041, 23.3091

Same Dimension

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



72.5592, 81.2891, 99.8631



74.9235, 85.0298, 107.0712



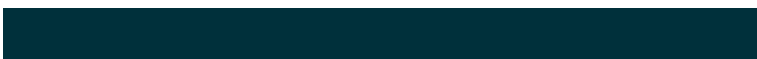
66.6638, 69.4984, 97.8980



16.7194, 18.2031, 21.1749



20.0313, 25.8563, 50.4730



1.8268, 2.4051, 4.4582

Inverse Universe

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



75.5325, 69.1935, 91.0400



78.7194, 69.8385, 95.7505



78.5058, 82.6303, 68.9397



17.0737, 16.7123, 20.1346



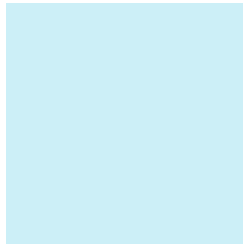
25.9154, 12.7096, 30.5924



2.3112, 1.1304, 2.8649

Previews

White Background



This preview shows how the XYZ color 72.5568, 81.2858, 99.8613 looks on a white background.

Color Contrast Check

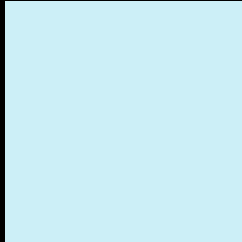
Large Text (above 18pt) WCAG AA × Fail

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 72.5568, 81.2858, 99.8613 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 72.5568, 81.2858, 99.8613

Background



This preview shows how black text looks on a background with the XYZ color 72.5568, 81.2858, 99.8613.



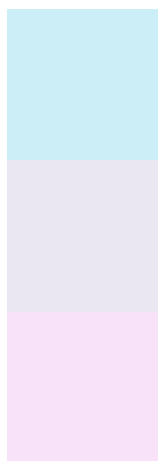
This preview shows how white text looks on a background with the XYZ color 72.5568, 81.2858,

99.8613.

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

72.5568, 81.2858, 99.8613

Protanopia

78.5346, 81.0551, 95.5104

Deuteranopia

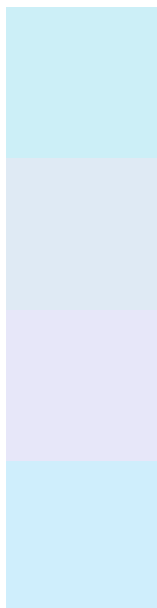
82.8094, 81.0690, 101.7258



Tritanopia

74.3466, 81.1983, 106.3621

Trichromacy



Original Color

72.5568, 81.2858, 99.8613

Protanomaly

76.1834, 81.0653, 97.2198

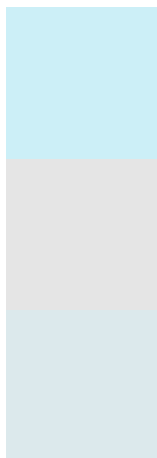
Deuteranomaly

78.6298, 80.9803, 101.1091

Tritanomaly

73.8773, 81.4427, 103.9217

Monochromacy



Original Color

72.5568, 81.2858, 99.8613

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.7944, 79.5496, 90.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5568, 81.2858, 99.8613 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(204, 239, 247)` looks like.

```
.text, #text, p{  
    color:rgb(204, 239, 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(204, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 239, 247) }
```

Border

The CSS property to change the border of an element to XYZ 72.5568, 81.2858, 99.8613 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(204, 239, 247) }
```


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

```
.border{ border-color:rgb(204, 239, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 239, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(204, 239,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5568, 81.2858, 99.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 239, 247) }
```

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

```
.background{ background-color: rgb(204,  
239, 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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