

Converting Colors

XYZ(75.6457, 83.4764,
115.1884)

Have a look what the booklet for
XYZ(75.6457, 83.4764, 115.1884)
contains.

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Color

**XYZ(73.8624, 82.6872,
106.6750)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF1FF
RGB	202, 241, 255
RGB Percent	79%, 95%, 100%
CMY	0.2078, 0.0549, 0.0000
CMYK	0.21, 0.05, 0.00, 0.00
HSL	196°, 100%, 90%
HSV	196°, 21%, 100%
XYZ	73.8624, 82.6872, 106.6750
YIQ	230.9350, -27.7380, -3.9140

Conversions

Conversions Part 2

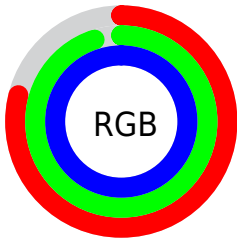
Format	Color
R _Y B	202, 224, 255
Decimal	13300223
CIE Lab	92.88, -9.61, -10.92
CIE LCh	93, 14.545, 228.653
Yxy	82.6872, 0.2806, 0.3141
Android (android.graphics.Color)	4291490303 (0xFFCAF1FF)
YUV	230.9350, 11.8640, -25.3760
Hunter-Lab	90.9325, -14.1404, -5.9017

Details

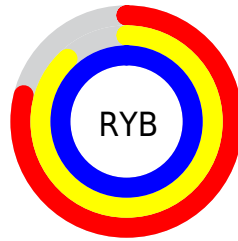
The XYZ color **73.8624, 82.6872, 106.6750** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4562, 74.6349, 66.2550**, and the grayscale version is **75.8385, 79.7880, 86.8891**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5746, 44.9782, 60.0219** is the 20% darker color. If you saturate the color by 10%, you get **65.5685, 75.5090, 105.7266**, and if you desaturate by 10%, it is **83.3745, 90.6070, 107.7023**.

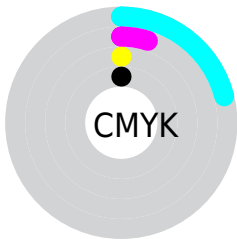
Distribution



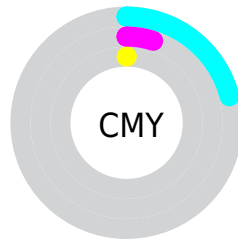
- Red (79%)
- Green (95%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8624, 82.6872, 106.6750 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 73.8624, 82.6872, 106.6750 by changing the saturation by 10% instead.

73.8624, 82.6872,
106.6750

73.8624, 82.6872,
106.6750

463.0560,
503.9434, 602.8164

54.9723, 61.9321,
81.2388

123.6973,
137.1373, 172.4319

39.6133, 44.9779,
60.2062

155.3728,
171.6011, 213.5898

27.4200, 31.4400,
43.1585

192.0408,
211.4032, 260.8253

18.0272, 20.9341,
29.6771

234.0667,
256.9282, 314.5570

11.0693, 13.0759,
19.3437

281.8158,
308.5603, 375.2034

6.1811, 7.4808,
11.7396

335.6535,

2.9972, 3.7646,

366.6839, 443.1831

6.4462

395.9451,
431.6835, 518.9145

■ 1.1523, 1.5428,
3.0451

■ 0.0682, 0.3185,
1.1177

■ 73.8624, 82.6872,
106.6750

■ 73.8624, 82.6872,
106.6750

■ 65.5685, 75.5090,
105.7266

■ 83.3745, 90.6070,
107.7023

■ 58.4293, 69.0322,
104.8527

■ 94.1509, 99.2871,
108.8098

■ 52.3857, 63.2272,
104.0508

■ 95.0500, 100.0000,
108.9000

■ 47.3701, 58.0580,
103.3174

■ 43.3072, 53.4846,
102.6488

■ 40.1108, 49.4612,
102.0406

■ 37.6775, 45.9333,
101.4879

■ 35.9612, 43.0423,
101.0204

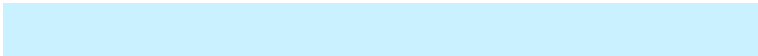
Harmonies

Analogous

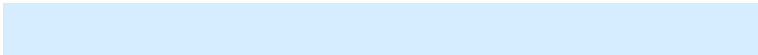
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8694, 82.6872, 96.8930



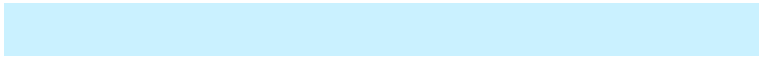
73.8624, 82.6872, 106.6750



77.1627, 82.6872, 112.1495

Triad

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



73.8624, 82.6872, 106.6750



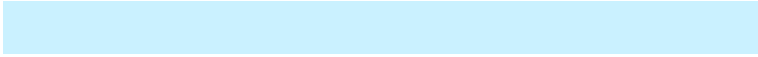
85.9763, 82.6872, 94.2131



76.2776, 82.6872, 71.6236

Complementary

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



73.8624, 82.6872, 106.6750



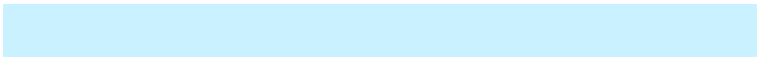
76.4562, 74.6349, 66.2550

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.



80.0383, 82.6872, 71.0327



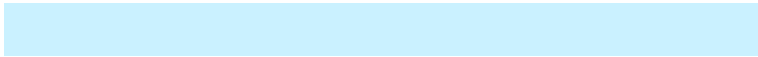
73.8624, 82.6872, 106.6750



85.7207, 82.6872, 83.5034

Square

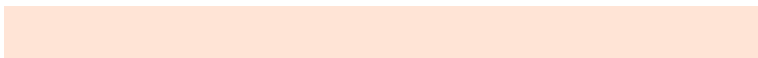
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



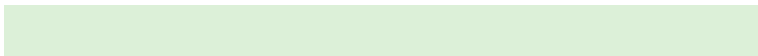
73.8624, 82.6872, 106.6750



84.2062, 82.6872, 104.5776



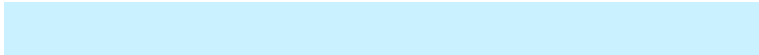
83.5187, 82.6872, 75.2174



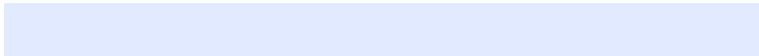
73.2325, 82.6872, 76.9024

Rectangle

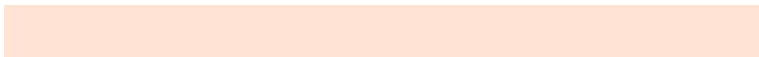
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



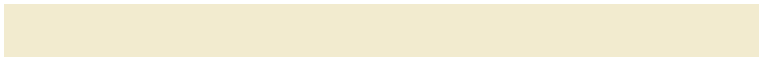
73.8624, 82.6872, 106.6750



79.6962, 82.6872, 112.3475



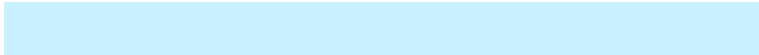
83.5187, 82.6872, 75.2174



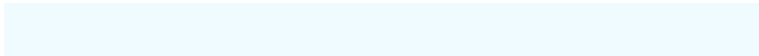
77.4974, 82.6872, 70.8869

Sweetspot

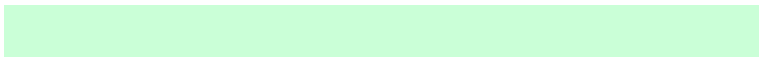
The Sweet Spot groups the original color and five complimentary colors.



73.8646, 82.6905, 106.6755



88.3680, 94.6620, 108.2218



72.4160, 88.9962, 77.8211



18.7647, 20.1408, 23.1485



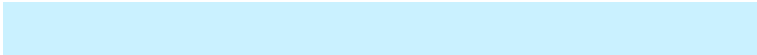
0.0000, 0.0000, 0.0000



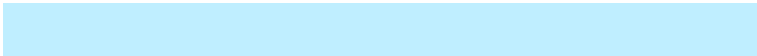
20.3446, 21.4041, 23.3091

Same Dimension

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



73.8646, 82.6905, 106.6755



70.2216, 79.5743, 106.2661



66.7725, 68.5062, 104.3115



18.1252, 19.6220, 23.0821



18.9191, 22.7478, 52.8282



1.9315, 2.3936, 5.1735

Inverse Universe

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



78.2391, 69.8534, 92.5824



75.3823, 64.8135, 89.5537



83.5789, 88.8803, 68.6292



18.5758, 18.2136, 21.6495



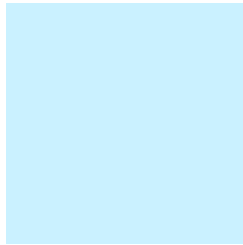
26.3377, 13.0244, 26.2264



2.6095, 1.2862, 2.7911

Previews

White Background



This preview shows how the XYZ color 73.8624, 82.6872, 106.6750 looks on a white background.

Color Contrast Check

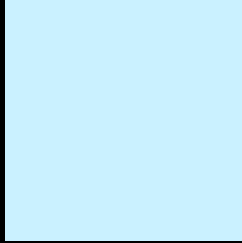
Large Text (above 18pt) WCAG AA × Fail

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 73.8624, 82.6872, 106.6750 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 73.8624, 82.6872, 106.6750

Background



This preview shows how black text looks on a background with the XYZ color 73.8624, 82.6872, 106.6750.



This preview shows how white text looks on a background with the XYZ color 73.8624, 82.6872,

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

73.8624, 82.6872, 106.6750

Protanopia

80.3259, 82.6724, 102.1662

Deuteranopia

83.1016, 81.9399, 106.0438



Tritanopia

75.2110, 82.5083, 106.5694

Trichromacy



Original Color

73.8624, 82.6872, 106.6750

Protanomaly

77.6903, 82.5488, 103.9342

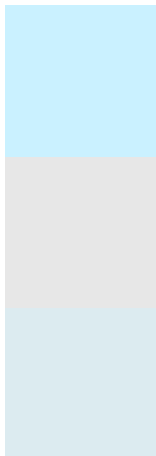
Deuteranomaly

79.5020, 82.1558, 106.2752

Tritanomaly

74.6637, 82.6620, 106.6279

Monochromacy



Original Color

73.8624, 82.6872, 106.6750

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.9517, 80.9236, 94.1075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8624, 82.6872, 106.6750 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(202, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 241, 255)  
}
```

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(202, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.8624, 82.6872, 106.6750 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(202, 241, 255) }
```


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

```
.border{ border-color:rgb(202, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(202, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8624, 82.6872, 106.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 241, 255) }
```

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

```
.background{ background-color: rgb(202,  
241, 255) }
```

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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