

Converting Colors

XYZ(72.5240, 84.7699, 87.6613)

Have a look what the booklet for
XYZ(72.5240, 84.7699, 87.6613)
contains.

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Color

**XYZ(72.4155, 84.6038,
87.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF6E6
RGB	205, 246, 230
RGB Percent	80%, 96%, 90%
CMY	0.1961, 0.0353, 0.0980
CMYK	0.17, 0.00, 0.07, 0.04
HSL	157°, 70%, 88%
HSV	157°, 17%, 96%
XYZ	72.4155, 84.6038, 87.3764
YIQ	231.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

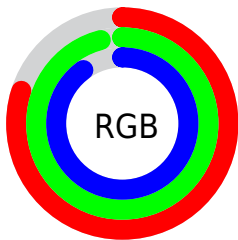
Format	Color
R _Y B	205, 230, 246
Decimal	13498086
CIE Lab	93.71, -16.23, 3.30
CIE LCh	94, 16.561, 168.494
Yxy	84.6038, 0.2963, 0.3462
Android (android.graphics.Color)	4291688166 (0xFFC6DF6E6)
YUV	231.9170, -0.9451, -23.6062
Hunter-Lab	91.9803, -20.4337, 8.0639

Details

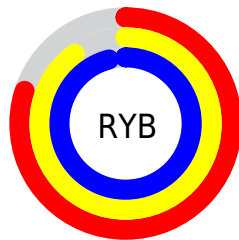
The XYZ color **72.4155, 84.6038, 87.3764** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8915, 68.4781, 77.7860**, and the grayscale version is **76.6588, 80.6510, 87.8289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7290, 46.4061, 47.4735** is the 20% darker color. If you saturate the color by 10%, you get **64.8447, 80.8548, 80.1774**, and if you desaturate by 10%, it is **81.1323, 88.9397, 95.0203**.

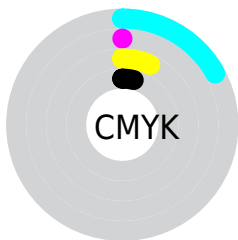
Distribution



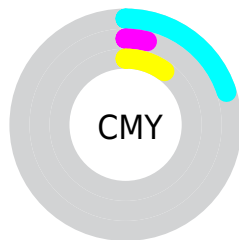
- Red (80%)
- Green (96%)
- Blue (90%)



- Red (80%)
- Yellow (90%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4155, 84.6038, 87.3764 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 72.4155, 84.6038, 87.3764 by changing the saturation by 10% instead.

72.4155, 84.6038,
87.3764

72.4155, 84.6038,
87.3764

458.1217,
510.3161, 539.8072

53.7848, 63.5141,
65.2453

121.6547,
139.8195, 145.5922

38.6597, 46.2572,
47.2074

152.9939,
174.7142, 182.5139

26.6746, 32.4488,
32.8442

189.3001,
214.9794, 225.2030

17.4643, 21.7046,
21.7369

230.9385,
260.9995, 274.0780

10.6634, 13.6400,
13.4673

278.2745,
313.1588, 329.5573

5.9066, 7.8707,
7.6166

331.6734,

2.8285, 4.0123,

371.8417, 392.0596

3.7664

391.5008,
437.4327, 462.0034

■ 1.0637, 1.6805,
1.4981

■ 0.0000, 0.4110,
0.2165

■ 72.4155, 84.6038,
87.3764

■ 72.4155, 84.6038,
87.3764

■ 64.8447, 80.8548,
80.1774

■ 81.1323, 88.9397,
95.0203

■ 58.3618, 77.6558,
73.4091

■ 91.0355, 93.8761,
103.1118

■ 52.9143, 74.9823,
67.0644

■ 92.2473, 94.3947,
107.9658

■ 48.4425, 72.8036,
61.1342

■ 44.8799, 71.0856,
55.6086

■ 42.1517, 69.7900,
50.4772

■ 40.1703, 68.8716,
45.7290

■ 38.8255, 68.2738,
41.3514

■ 38.4616, 68.1164,
39.9710

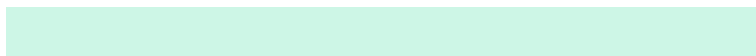
Harmonies

Analogous

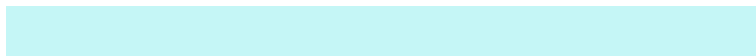
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2509, 84.6038, 76.9968



72.4155, 84.6038, 87.3764



72.6643, 84.6038, 100.0092

Triad

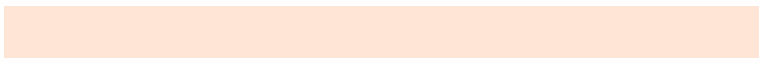
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.4155, 84.6038, 87.3764



83.1231, 84.6038, 117.0236



86.1432, 84.6038, 75.1614

Complementary

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



72.4155, 84.6038, 87.3764



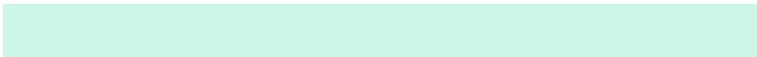
72.8915, 68.4781, 77.7860

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.



88.6947, 84.6038, 84.6554



72.4155, 84.6038, 87.3764



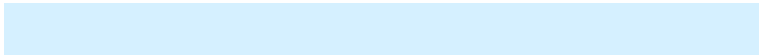
86.9077, 84.6038, 109.1023

Square

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



72.4155, 84.6038, 87.3764



78.7398, 84.6038, 117.9211



88.9795, 84.6038, 97.0305



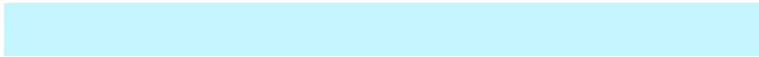
82.1105, 84.6038, 70.3855

Rectangle

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



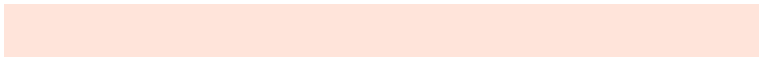
72.4155, 84.6038, 87.3764



73.9805, 84.6038, 108.0150



88.9795, 84.6038, 97.0305



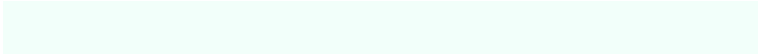
87.2088, 84.6038, 77.8648

Sweetspot

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



72.4179, 84.6073, 87.3783



89.7229, 97.3451, 104.5226



73.9187, 85.7580, 70.4158



19.0498, 20.7589, 22.2426



0.0000, 0.0000, 0.0000



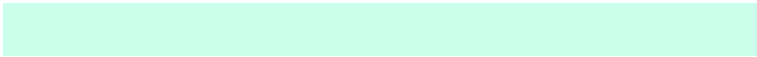
20.3446, 21.4041, 23.3091

Same Dimension

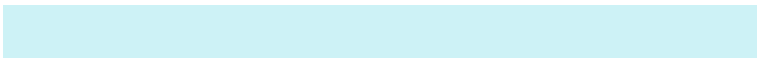
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4179, 84.6073, 87.3783



75.6710, 90.3610, 92.1224



73.5365, 83.0812, 99.3534



16.7067, 18.6418, 19.7399



20.5992, 36.3845, 21.7071



1.8608, 3.2180, 2.1729

Inverse Universe

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



72.8915, 68.4781, 77.7860



76.2745, 69.8224, 79.9104



71.8531, 69.6527, 67.4161



16.7669, 16.5896, 18.5191



21.4773, 10.9344, 7.2218



1.9365, 0.9806, 0.8921

Previews

White Background



This preview shows how the XYZ color 72.4155, 84.6038, 87.3764 looks on a white background.

Color Contrast Check

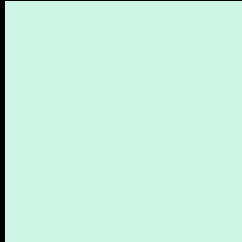
Large Text (above 18pt) WCAG AA × Fail

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 72.4155, 84.6038, 87.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

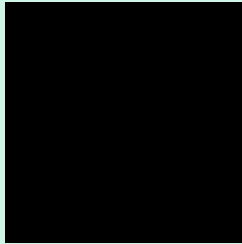
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

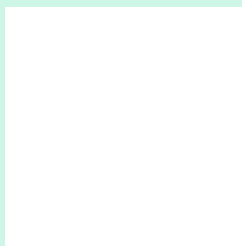
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4155, 84.6038, 87.3764

Background



This preview shows how black text looks on a background with the XYZ color 72.4155, 84.6038, 87.3764.



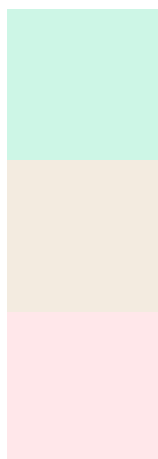
This preview shows how white text looks on a background with the XYZ color 72.4155, 84.6038,

87.3764.

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

72.4155, 84.6038, 87.3764

Protanopia

80.1250, 83.8532, 82.4832

Deuteranopia

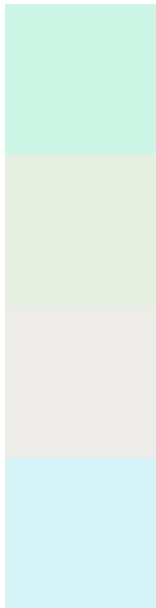
84.6672, 84.3523, 89.6611



Tritanopia

77.8254, 84.2919, 106.7759

Trichromacy



Original Color

72.4155, 84.6038, 87.3764

Protanomaly

76.9071, 83.8820, 84.0889

Deuteranomaly

79.6285, 83.8786, 89.0841

Tritanomaly

75.8273, 84.3042, 99.4646

Monochromacy



Original Color

72.4155, 84.6038, 87.3764

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.8322, 81.8675, 87.4592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4155, 84.6038, 87.3764 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(205, 246, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 246, 230)  
}
```

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(205, 246, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 246, 230) }
```

Border

The CSS property to change the border of an element to XYZ 72.4155, 84.6038, 87.3764 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(205, 246, 230) }
```


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

```
.border{ border-color:rgb(205, 246, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 246, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 246, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 246, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 246,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4155, 84.6038, 87.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 246, 230) }
```

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

```
.background{ background-color: rgb(205,  
246, 230) }
```

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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