

Converting Colors

XYZ(72.3726, 83.7477, 84.3020)

Have a look what the booklet for
XYZ(72.3726, 83.7477, 84.3020)
contains.

XYZ(72.3726, 83.7477, 84.3020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.3726, 83.7477,
84.3020)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F4E2
RGB	209, 244, 226
RGB Percent	82%, 96%, 89%
CMY	0.1804, 0.0431, 0.1137
CMYK	0.14, 0.00, 0.07, 0.04
HSL	149°, 61%, 89%
HSV	149°, 14%, 96%
XYZ	72.3726, 83.7477, 84.3020
YIQ	231.4830, -15.0820, -13.0180

Conversions

Conversions Part 2

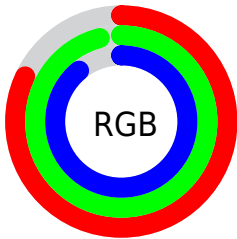
Format	Color
R _Y B	209, 233, 244
Decimal	13759714
CIE Lab	93.34, -14.72, 4.87
CIE LCh	93, 15.503, 161.694
Yxy	83.7477, 0.3010, 0.3483
Android (android.graphics.Color)	4291949794 (0xFFD1F4E2)
YUV	231.4830, -2.7031, -19.7176
Hunter-Lab	91.5138, -18.9844, 9.4420

Details

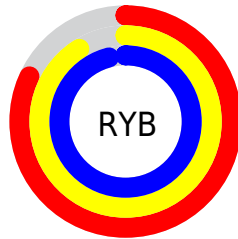
The XYZ color **72.3726, 83.7477, 84.3020** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9768, 70.3820, 82.3628**, and the grayscale version is **76.3450, 80.3209, 87.4695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6603, 45.7767, 45.3263** is the 20% darker color. If you saturate the color by 10%, you get **64.3314, 79.7964, 75.2636**, and if you desaturate by 10%, it is **81.6018, 88.3015, 94.0576**.

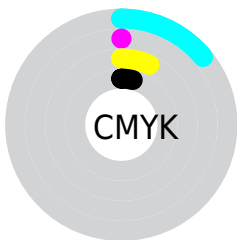
Distribution



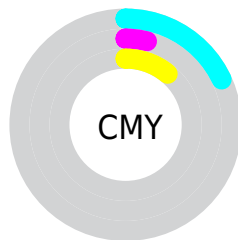
- Red (82%)
- Green (96%)
- Blue (89%)



- Red (82%)
- Yellow (91%)
- Blue (96%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (18%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3726, 83.7477, 84.3020 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 72.3726, 83.7477, 84.3020 by changing the saturation by 10% instead.

72.3726, 83.7477,
84.3020

72.3726, 83.7477,
84.3020

457.9750,
507.4750, 529.3998

53.7497, 62.8072,
62.7180

121.5941,
138.6222, 141.2630

38.6314, 45.6852,
45.1736

152.9233,
173.3249, 177.4771

26.6526, 31.9975,
31.2502

189.2187,
213.3838, 219.4050

17.4477, 21.3596,
20.5294

230.8455,
259.1833, 267.4652

10.6515, 13.3871,
12.5926

278.1692,
311.1078, 322.0762

5.8985, 7.6956,
7.0212

331.5551,

2.8236, 3.9008,

369.5417, 383.6566

3.3967

391.3686,
434.8693, 452.6250

■ 1.0612, 1.6182,
1.3006

■ 0.0000, 0.3698,
0.0623

■ 72.3726, 83.7477,
84.3020

■ 72.3726, 83.7477,
84.3020

■ 64.3314, 79.7964,
75.2636

■ 81.6018, 88.3015,
94.0576

■ 57.4207, 76.4113,
66.9204

■ 91.0209, 92.9361,
104.4920

■ 51.5883, 73.5682,
59.2572

■ 91.6423, 93.1846,
107.7641

■ 46.7751, 71.2368,
52.2565

■ 42.9162, 69.3842,
45.8995

■ 39.9384, 67.9729,
40.1666

■ 37.7574, 66.9598,
35.0371

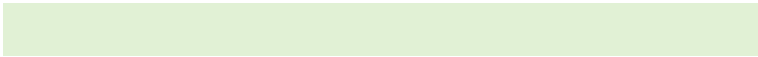
■ 36.2706, 66.2925,
30.4885

■ 35.6525, 66.0247,
28.1626

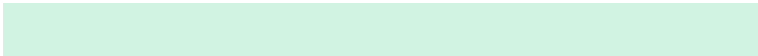
Harmonies

Analogous

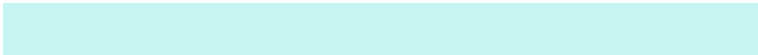
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4883, 83.7477, 75.3992



72.3726, 83.7477, 84.3020



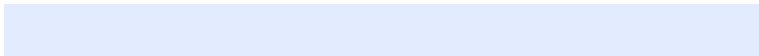
72.1527, 83.7477, 95.8231

Triad

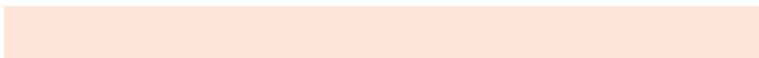
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3726, 83.7477, 84.3020



81.2024, 83.7477, 115.0380



85.6104, 83.7477, 77.0271

Complementary

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



72.3726, 83.7477, 84.3020



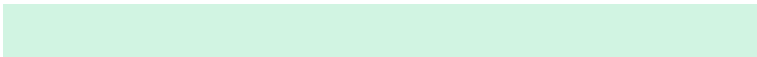
73.9768, 70.3820, 82.3628

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.



87.5421, 83.7477, 86.7029



72.3726, 83.7477, 84.3020



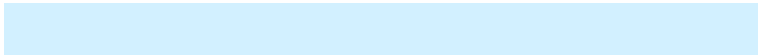
84.9396, 83.7477, 109.0378

Square

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



72.3726, 83.7477, 84.3020



77.1579, 83.7477, 114.2557



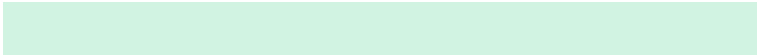
87.2925, 83.7477, 98.4370



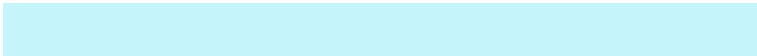
82.0925, 83.7477, 71.4532

Rectangle

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



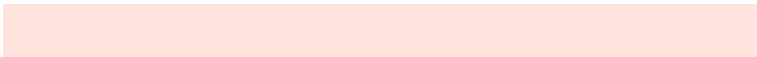
72.3726, 83.7477, 84.3020



73.1014, 83.7477, 103.5242



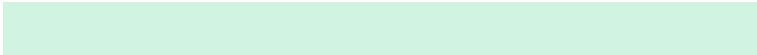
87.2925, 83.7477, 98.4370



86.4721, 83.7477, 79.8711

Sweetspot

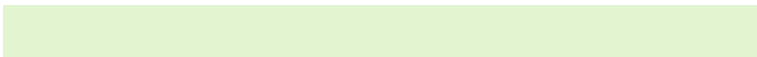
The Sweet Spot groups the original color and five complimentary colors.



72.3749, 83.7512, 84.3039



90.5632, 97.7832, 104.3411



75.5671, 85.6532, 72.8725



19.2089, 20.8430, 22.1529



0.0000, 0.0000, 0.0000



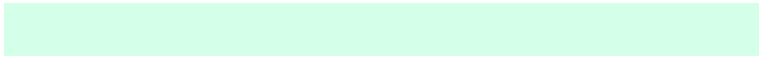
20.3446, 21.4041, 23.3091

Same Dimension

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



72.3749, 83.7512, 84.3039



77.4763, 91.3314, 90.4144



74.8887, 84.7567, 97.5412



16.6176, 18.6062, 19.2704



19.4534, 35.9262, 15.6732



1.7615, 3.1782, 1.6499

Inverse Universe

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



73.9768, 70.3820, 82.3628



79.5396, 74.1096, 87.9138



71.6921, 69.4682, 70.3321



16.8550, 16.6248, 18.9828



22.3856, 11.2977, 12.0051



2.0194, 1.0137, 1.3286

Previews

White Background



This preview shows how the XYZ color 72.3726, 83.7477, 84.3020 looks on a white background.

Color Contrast Check

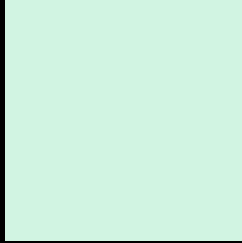
Large Text (above 18pt) WCAG AA × Fail

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 72.3726, 83.7477, 84.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

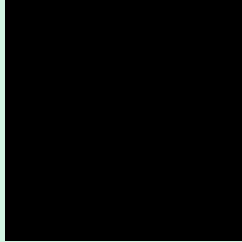
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

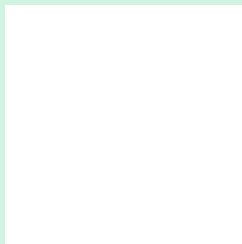
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3726, 83.7477, 84.3020

Background



This preview shows how black text looks on a background with the XYZ color 72.3726, 83.7477, 84.3020.



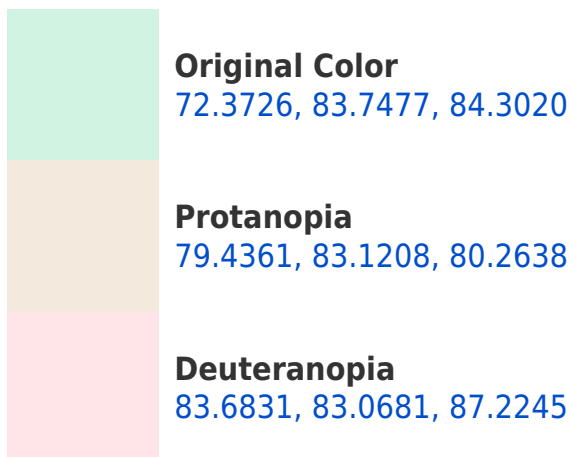
This preview shows how white text looks on a background with the XYZ color 72.3726, 83.7477,

84.3020.

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

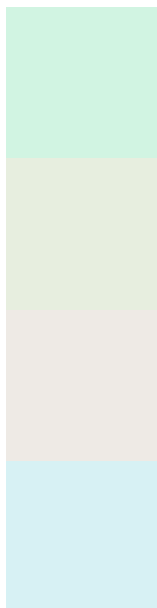




Tritanopia

77.8299, 83.8584, 106.6920

Trichromacy



Original Color

72.3726, 83.7477, 84.3020

Protanomaly

76.8488, 83.4657, 81.8722

Deuteranomaly

78.8256, 82.6799, 85.9330

Tritanomaly

75.8088, 83.8893, 97.7847

Monochromacy



Original Color

72.3726, 83.7477, 84.3020

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.5697, 81.3360, 85.8979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3726, 83.7477, 84.3020 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(209, 244, 226) looks like.

```
.text, #text, p{  
    color:rgb(209, 244, 226)  
}
```

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(209, 244, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 244, 226) }
```

Border

The CSS property to change the border of an element to XYZ 72.3726, 83.7477, 84.3020 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(209, 244, 226) }
```


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

```
.border{ border-color:rgb(209, 244, 226) }
```

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

Here you see how a box with a 4 pixel rgb(209, 244, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 244, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 244, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 244,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3726, 83.7477, 84.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 244, 226) }
```

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

```
.background{ background-color: rgb(209,  
244, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor