

Converting Colors

XYZ(72.2088, 83.0650, 87.0946)

Have a look what the booklet for
XYZ(72.2088, 83.0650, 87.0946)
contains.

XYZ(72.3459, 83.2243, 87.1138)	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(72.3459, 83.2243,
87.1138)**

Conversions

Conversions Part 1

Format	Color
Hex	D0F3E6
RGB	208, 243, 230
RGB Percent	82%, 95%, 90%
CMY	0.1843, 0.0470, 0.0980
CMYK	0.14, 0.00, 0.05, 0.05
HSL	158°, 59%, 88%
HSV	158°, 14%, 95%
XYZ	72.3459, 83.2243, 87.1138
YIQ	231.0530, -16.6870, -11.4630

Conversions

Conversions Part 2

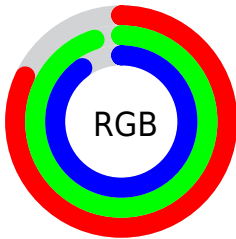
Format	Color
R _Y B	208, 229, 243
Decimal	13693926
CIE Lab	93.11, -13.79, 2.46
CIE LCh	93, 14.008, 169.901
Yxy	83.2243, 0.2981, 0.3429
Android (android.graphics.Color)	4291884006 (0xFFD0F3E6)
YUV	231.0530, -0.5191, -20.2175
Hunter-Lab	91.2274, -18.0923, 7.2426

Details

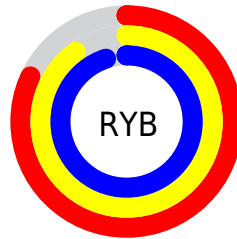
The XYZ color **72.3459, 83.2243, 87.1138** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5721, 69.3889, 77.9786**, and the grayscale version is **76.0097, 79.9681, 87.0852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6451, 45.4081, 47.2853** is the 20% darker color. If you saturate the color by 10%, you get **64.7955, 79.4769, 80.3142**, and if you desaturate by 10%, it is **81.0134, 87.5445, 94.3119**.

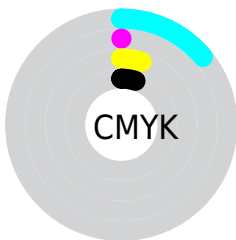
Distribution



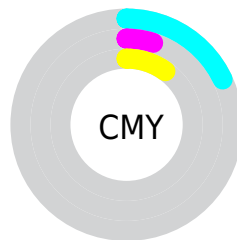
- Red (82%)
- Green (95%)
- Blue (90%)



- Red (82%)
- Yellow (90%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (18%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3459, 83.2243, 87.1138 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 72.3459, 83.2243, 87.1138 by changing the saturation by 10% instead.


 72.3459, 83.2243,
87.1138

 72.3459, 83.2243,
87.1138


457.8836,
505.7337, 538.9227

 53.7278, 62.3752,
65.0292


121.5563,
137.8896, 145.2230

 38.6139, 45.3359,
47.0333


152.8793,
172.4745, 182.0847

 26.6388, 31.7221,
32.7074


189.1680,
212.4069, 224.7092

 17.4373, 21.1493,
21.6331

230.7876,
258.0711, 273.5151

 10.6440, 13.2332,
13.3918

278.1037,
309.8515, 328.9208

 5.8935, 7.5893,
7.5650

331.4815,

 2.8205, 3.8333,

368.1324, 391.3450

3.7342

391.2863,
433.2984, 461.2061

■ 1.0596, 1.5808,
1.4807

■ 0.0000, 0.3446,
0.2035

■ 72.3459, 83.2243,
87.1138

■ 72.3459, 83.2243,
87.1138

■ 64.7955, 79.4769,
80.3142

■ 81.0134, 87.5445,
94.3119

■ 58.3068, 76.2671,
73.9002

■ 90.2443, 92.1452,
101.8824

■ 52.8299, 73.5715,
67.8660

■ 91.3422, 92.5844,
107.6641

■ 48.3080, 71.3611,
62.2034

■ 44.6787, 69.6037,
56.9042

■ 41.8716, 68.2631,
51.9592

■ 39.8053, 67.2975,
47.3589

■ 38.3800, 66.6557,
43.0927

■ 37.7798, 66.3954,
40.8452

Harmonies

Analogous

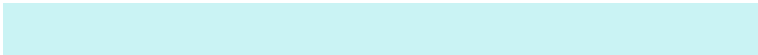
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8180, 83.2243, 78.1944



72.3459, 83.2243, 87.1138



72.6408, 83.2243, 97.6834

Triad

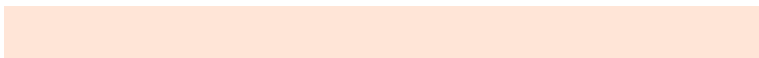
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3459, 83.2243, 87.1138



81.5325, 83.2243, 111.0138



83.7426, 83.2243, 75.9987

Complementary

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



72.3459, 83.2243, 87.1138



72.5721, 69.3889, 77.9786

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.



85.9358, 83.2243, 83.9001



72.3459, 83.2243, 87.1138



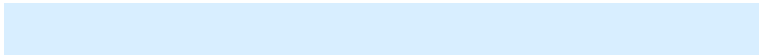
84.6327, 83.2243, 104.2904

Square

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



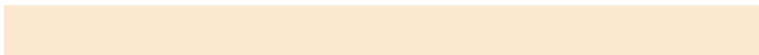
72.3459, 83.2243, 87.1138



77.8693, 83.2243, 112.0418



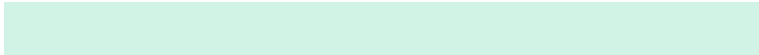
86.2666, 83.2243, 94.2131



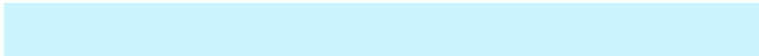
80.3481, 83.2243, 72.1141

Rectangle

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



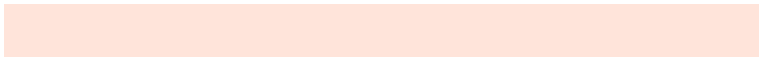
72.3459, 83.2243, 87.1138



73.8030, 83.2243, 104.2315



86.2666, 83.2243, 94.2131



84.6492, 83.2243, 78.2431

Sweetspot

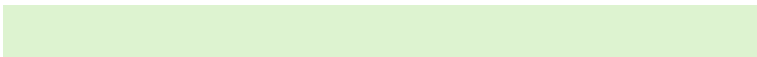
The Sweet Spot groups the original color and five complimentary colors.



72.3482, 83.2278, 87.1156



90.7923, 97.8749, 105.5476



73.3843, 84.0967, 72.0400



19.2669, 20.8662, 22.4583



0.0000, 0.0000, 0.0000



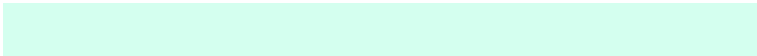
20.3446, 21.4041, 23.3091

Same Dimension

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



72.3482, 83.2278, 87.1156



78.3752, 91.6909, 95.1481



73.0349, 81.5686, 96.6932



16.7204, 18.6473, 19.8118



20.8012, 36.4653, 22.7709



1.8778, 3.2248, 2.2624

Inverse Universe

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



72.5721, 69.3889, 77.9786



78.6655, 73.7599, 83.3109



71.9142, 70.7394, 69.5393



16.7537, 16.5843, 18.4495



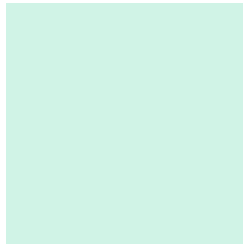
21.3651, 10.8895, 6.6310



1.9257, 0.9763, 0.8353

Previews

White Background



This preview shows how the XYZ color 72.3459, 83.2243, 87.1138 looks on a white background.

Color Contrast Check

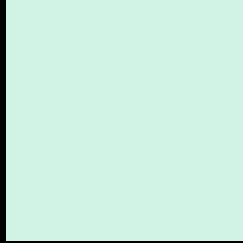
Large Text (above 18pt) WCAG AA × Fail

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 72.3459, 83.2243, 87.1138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

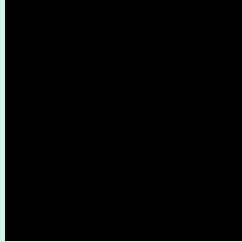
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

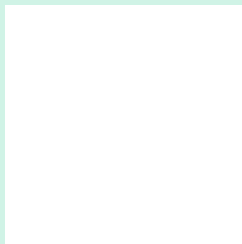
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3459, 83.2243, 87.1138

Background



This preview shows how black text looks on a background with the XYZ color 72.3459, 83.2243, 87.1138.

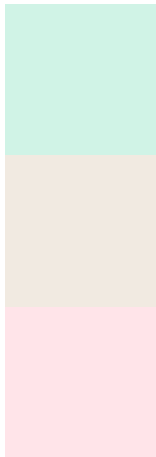


This preview shows how white text looks on a background with the XYZ color 72.3459, 83.2243,

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

72.3459, 83.2243, 87.1138

Protanopia

79.2891, 82.9827, 83.0724

Deuteranopia

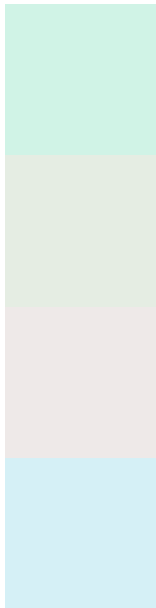
83.6914, 82.6300, 88.6290



Tritanopia

76.9434, 82.9680, 106.5668

Trichromacy



Original Color

72.3459, 83.2243, 87.1138

Protanomaly

76.4624, 82.7724, 84.6197

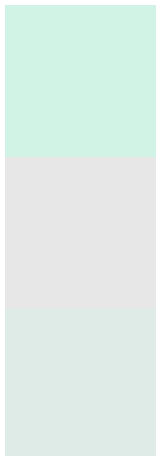
Deuteranomaly

78.9643, 82.2812, 88.0639

Tritanomaly

75.2352, 83.1201, 99.2672

Monochromacy



Original Color

72.3459, 83.2243, 87.1138

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.5636, 80.8742, 87.2817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3459, 83.2243, 87.1138 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(208, 243, 230) looks like.

```
.text, #text, p{  
    color:rgb(208, 243, 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(208, 243, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 243, 230) }
```

Border

The CSS property to change the border of an element to XYZ 72.3459, 83.2243, 87.1138 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(208, 243, 230) }
```


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

```
.border{ border-color:rgb(208, 243, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 243, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 243, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 243, 230);  
box-shadow:4px 4px 4px 4px rgb(208, 243,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3459, 83.2243, 87.1138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 243, 230) }
```

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

```
.background{ background-color: rgb(208,  
243, 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](#).

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