

Converting Colors

XYZ(72.0277, 84.9049, 85.2651)

Have a look what the booklet for
XYZ(72.0277, 84.9049, 85.2651)
contains.

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Color

**XYZ(72.0277, 84.9049,
85.2651)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF7E3
RGB	204, 247, 227
RGB Percent	80%, 97%, 89%
CMY	0.2000, 0.0314, 0.1098
CMYK	0.17, 0.00, 0.08, 0.03
HSL	152°, 73%, 88%
HSV	152°, 17%, 97%
XYZ	72.0277, 84.9049, 85.2651
YIQ	231.8630, -19.2080, -15.3360

Conversions

Conversions Part 2

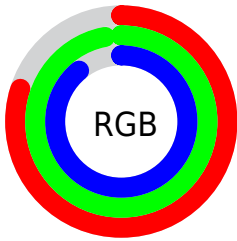
Format	Color
R_{YB}	204, 232, 247
Decimal	13432803
CIE _{Lab}	93.84, -17.61, 5.04
CIE _{LCh}	94, 18.312, 164.034
Yxy	84.9049, 0.2974, 0.3506
Android (android.graphics.Color)	4291622883 (0xFFCCCF7E3)
YUV	231.8630, -2.3975, -24.4359
Hunter-Lab	92.1439, -21.7205, 9.6368

Details

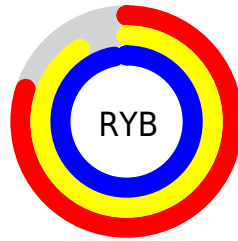
The XYZ color **72.0277, 84.9049, 85.2651** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4081, 68.3438, 79.8473**, and the grayscale version is **76.6288, 80.6195, 87.7947**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4716, 46.6297, 46.0025** is the 20% darker color. If you saturate the color by 10%, you get **64.2542, 81.0770, 76.8985**, and if you desaturate by 10%, it is **80.9855, 89.3357, 94.2432**.

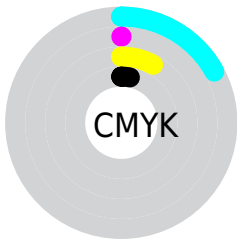
Distribution



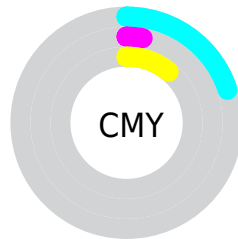
- Red (80%)
- Green (97%)
- Blue (89%)



- Red (80%)
- Yellow (91%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)



- Cyan (20%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0277, 84.9049, 85.2651 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 72.0277, 84.9049, 85.2651 by changing the saturation by 10% instead.


 72.0277, 84.9049,
85.2651

 72.0277, 84.9049,
85.2651

456.7941,
511.3133, 532.6723

 53.4668, 63.7628,
63.5090


121.1065,
140.2403, 142.6210

 38.4046, 46.4586,
45.8095


152.3552,
175.2024, 179.0578

 26.4755, 32.6079,
31.7479


188.5638,
215.5399, 221.2254

 17.3142, 21.8262,
20.9058

230.0978,
261.6373, 269.5422

 10.5555, 13.7293,
12.8646

277.3224,
313.8790, 324.4267

 5.8338, 7.9326,
7.2057

330.6032,

 2.7840, 4.0518,

372.6493, 386.2975

3.5107

390.3053,
438.3326, 455.5732

■ 1.0406, 1.7026,
1.3610

■ 0.0000, 0.4253,
0.1110

■ 72.0277, 84.9049,
85.2651

■ 72.0277, 84.9049,
85.2651

■ 64.2542, 81.0770,
76.8985

■ 80.9855, 89.3357,
94.2432

■ 57.6052, 77.8145,
69.1246

■ 91.1695, 94.3840,
103.8397

■ 52.0266, 75.0921,
61.9315

■ 92.5523, 95.0047,
108.0674

■ 47.4565, 72.8780,
55.3051

■ 43.8265, 71.1374,
49.2303

■ 41.0591, 69.8305,
43.6913

■ 39.0635, 68.9108,
38.6713

■ 37.7216, 68.3176,
34.1516

■ 37.4347, 68.1936,
33.0586

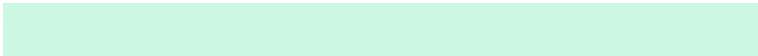
Harmonies

Analogous

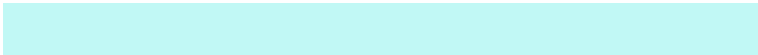
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3644, 84.9049, 74.4768



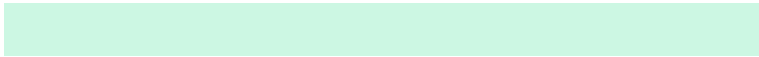
72.0277, 84.9049, 85.2651



71.9520, 84.9049, 99.1038

Triad

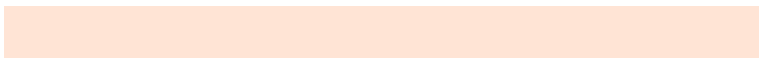
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0277, 84.9049, 85.2651



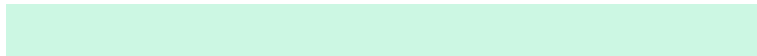
82.9916, 84.9049, 120.9802



87.6203, 84.9049, 75.0317

Complementary

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



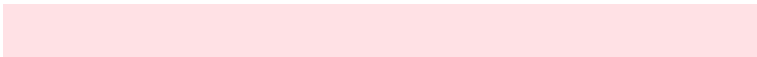
72.0277, 84.9049, 85.2651



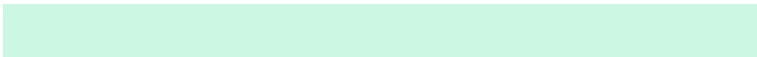
73.4081, 68.3438, 79.8473

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.



90.1289, 84.9049, 86.0952



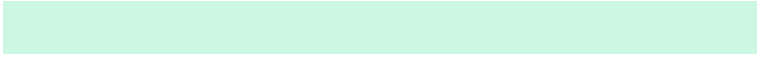
72.0277, 84.9049, 85.2651



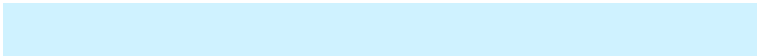
87.3847, 84.9049, 113.0976

Square

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



72.0277, 84.9049, 85.2651



78.1513, 84.9049, 120.7005



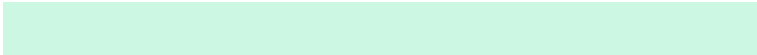
90.0409, 84.9049, 100.0213



83.3027, 84.9049, 68.9871

Rectangle

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



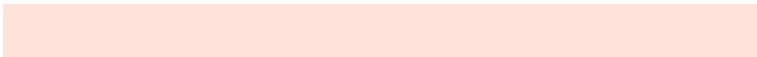
72.0277, 84.9049, 85.2651



73.1859, 84.9049, 108.2829



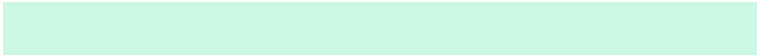
90.0409, 84.9049, 100.0213



88.7106, 84.9049, 78.2356

Sweetspot

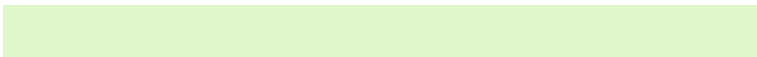
The Sweet Spot groups the original color and five complimentary colors.



72.0301, 84.9085, 85.2670



89.5735, 97.2854, 103.7361



74.9238, 86.7429, 69.9221



19.0134, 20.7443, 22.0513



0.0000, 0.0000, 0.0000



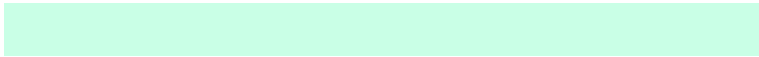
20.3446, 21.4041, 23.3091

Same Dimension

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



72.0301, 84.9085, 85.2670



74.2643, 89.7182, 88.3330



74.5173, 85.2046, 100.5185



16.6527, 18.6202, 19.4557



19.8696, 36.0927, 17.8649



1.7982, 3.1930, 1.8435

Inverse Universe

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



73.4081, 68.3438, 79.8473



76.0085, 68.7541, 81.4749



71.1945, 68.0060, 66.5020



16.8199, 16.6108, 18.7981



21.9897, 11.1393, 9.9201



1.9841, 0.9996, 1.1424

Previews

White Background



This preview shows how the XYZ color 72.0277, 84.9049, 85.2651 looks on a white background.

Color Contrast Check

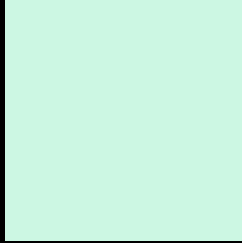
Large Text (above 18pt) WCAG AA × Fail

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 72.0277, 84.9049, 85.2651 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

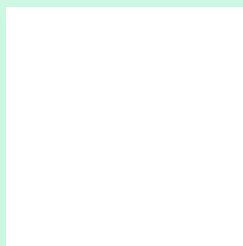
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0277, 84.9049, 85.2651

Background



This preview shows how black text looks on a background with the XYZ color 72.0277, 84.9049, 85.2651.



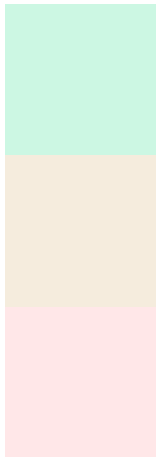
This preview shows how white text looks on a background with the XYZ color 72.0277, 84.9049,

85.2651.

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

72.0277, 84.9049, 85.2651

Protanopia

80.7028, 84.6238, 80.4872

Deuteranopia

84.3814, 84.2380, 88.1561



Tritanopia

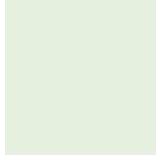
78.4187, 85.0360, 106.8882

Trichromacy



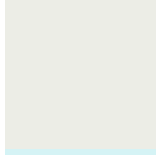
Original Color

72.0277, 84.9049, 85.2651



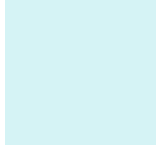
Protanomaly

77.1125, 84.4709, 82.0523



Deuteranomaly

79.1592, 84.1144, 86.9265



Tritanomaly

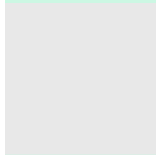
75.9726, 84.8399, 98.7578

Monochromacy



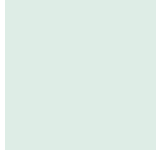
Original Color

72.0277, 84.9049, 85.2651



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.6913, 81.8111, 86.7174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0277, 84.9049, 85.2651 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, 247, 227)` looks like.

```
.text, #text, p{  
    color:rgb(204, 247, 227)  
}
```

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, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 247, 227) }
```

Border

The CSS property to change the border of an element to XYZ 72.0277, 84.9049, 85.2651 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, 247, 227) }
```


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

```
.border{ border-color:rgb(204, 247, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 247, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 247,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0277, 84.9049, 85.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 247, 227) }
```

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

```
.background{ background-color: rgb(204,  
247, 227) }
```

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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