

Converting Colors

XYZ(70.7015, 81.5951, 87.7655)

Have a look what the booklet for
XYZ(70.7015, 81.5951, 87.7655)
contains.

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Color

**XYZ(70.5077, 81.3766,
87.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF1E7
RGB	203, 241, 231
RGB Percent	80%, 95%, 91%
CMY	0.2039, 0.0549, 0.0941
CMYK	0.16, 0.00, 0.04, 0.05
HSL	164°, 58%, 87%
HSV	164°, 16%, 95%
XYZ	70.5077, 81.3766, 87.5924
YIQ	228.4980, -19.4380, -11.1660

Conversions

Conversions Part 2

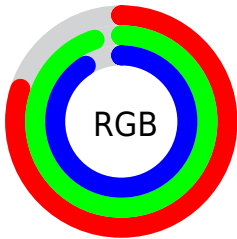
Format	Color
R_{YB}	203, 225, 241
Decimal	13365735
CIE _{Lab}	92.30, -14.18, 0.71
CIE _{LCh}	92, 14.202, 177.117
Yxy	81.3766, 0.2944, 0.3398
Android (android.graphics.Color)	4291555815 (0xFFC _B F1E7)
YUV	228.4980, 1.2335, -22.3617
Hunter-Lab	90.2090, -18.3494, 5.5760

Details

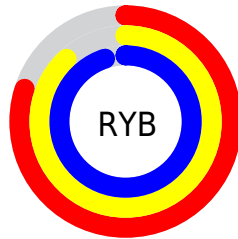
The XYZ color **70.5077, 81.3766, 87.5924** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6447, 66.2189, 72.0652**, and the grayscale version is **74.1108, 77.9704, 84.9097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2996, 44.0890, 47.1016** is the 20% darker color. If you saturate the color by 10%, you get **63.5684, 77.9031, 82.6761**, and if you desaturate by 10%, it is **78.5043, 85.3958, 92.7311**.

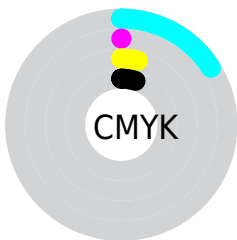
Distribution



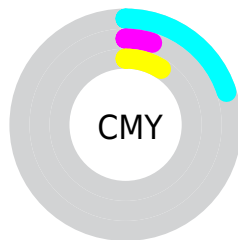
- Red (80%)
- Green (95%)
- Blue (91%)



- Red (80%)
- Yellow (88%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5077, 81.3766, 87.5924 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 70.5077, 81.3766, 87.5924 by changing the saturation by 10% instead.

70.5077, 81.3766,
87.5924

70.5077, 81.3766,
87.5924

451.5693,
499.5600, 540.5342

52.2216, 60.8518,
65.4231

118.9548,
135.2994, 145.8957

37.4067, 44.1056,
47.3507

149.8466,
169.4663, 182.8668

25.6977, 30.7535,
32.9567

185.6709,
208.9493, 225.6090

16.7291, 20.4112,
21.8224

226.7933,
254.1328, 274.5407

10.1356, 12.6943,
13.5294

273.5789,
305.4012, 330.0806

5.5519, 7.2184,
7.6591

326.3932,

2.6126, 3.5991,

363.1390, 392.6471

3.7930

385.6016,
427.7305, 462.6588

■ 0.9524, 1.4519,
1.5125

■ 0.0000, 0.2545,
0.2272

■ 70.5077, 81.3766,
87.5924

■ 70.5077, 81.3766,
87.5924

■ 63.5684, 77.9031,
82.6761

■ 78.5043, 85.3958,
92.7311

■ 57.6322, 74.9409,
77.9728

■ 87.5957, 89.9733,
98.0907

■ 52.6505, 72.4670,
73.4802

■ 89.9573, 91.0778,
103.3083

■ 48.5674, 70.4527,
69.1938

■ 90.7468, 91.3936,
107.4656

■ 45.3217, 68.8665,
65.1088

■ 42.8438, 67.6726,
61.2202

■ 41.0527, 66.8293,
57.5222

■ 39.8483, 66.2849,
54.0082

■ 39.4492, 66.1105,
52.5731

Harmonies

Analogous

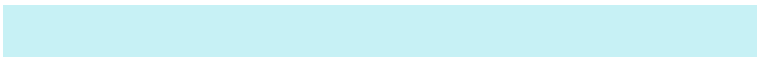
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5679, 81.3766, 78.0759



70.5077, 81.3766, 87.5924



71.2313, 81.3766, 98.1438

Triad

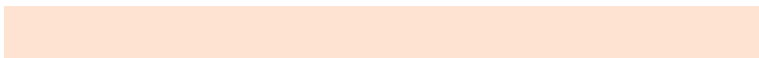
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5077, 81.3766, 87.5924



80.6086, 81.3766, 107.8459



81.2423, 81.3766, 72.6885

Complementary

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



70.5077, 81.3766, 87.5924



69.6447, 66.2189, 72.0652

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.



83.8010, 81.3766, 79.7057



70.5077, 81.3766, 87.5924



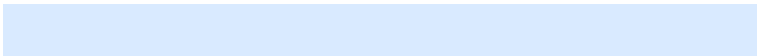
83.4271, 81.3766, 100.0412

Square

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



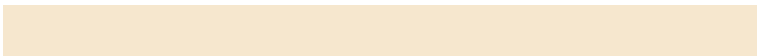
70.5077, 81.3766, 87.5924



76.9915, 81.3766, 110.3696



84.6128, 81.3766, 89.6259



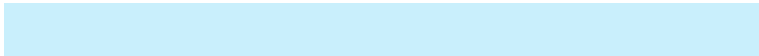
77.7016, 81.3766, 69.9085

Rectangle

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



70.5077, 81.3766, 87.5924



72.6409, 81.3766, 104.2604



84.6128, 81.3766, 89.6259



82.2500, 81.3766, 74.6014

Sweetspot

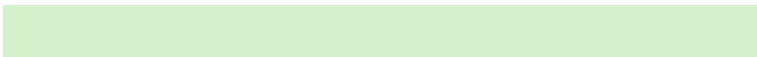
The Sweet Spot groups the original color and five complimentary colors.



70.5100, 81.3800, 87.5942



89.9781, 97.4472, 105.8667



69.7166, 81.3920, 68.5370



19.1119, 20.7837, 22.5697



0.0000, 0.0000, 0.0000



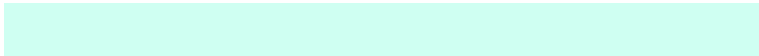
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5100, 81.3800, 87.5942



77.4307, 91.1463, 97.7108



69.4025, 76.8387, 94.3965



16.0594, 17.8538, 19.3355



21.4499, 35.8720, 28.8156



1.8251, 3.0005, 2.6114

Inverse Universe

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



69.6447, 66.2189, 72.0652



76.2701, 70.7984, 76.8729



70.5679, 70.0353, 66.3001



15.9436, 15.8272, 17.2593



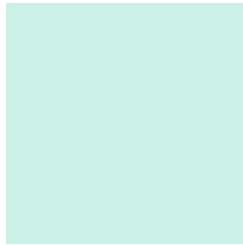
20.2118, 10.3571, 3.7658



1.7211, 0.8775, 0.5219

Previews

White Background



This preview shows how the XYZ color 70.5077, 81.3766, 87.5924 looks on a white background.

Color Contrast Check

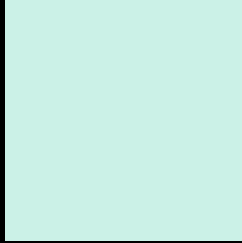
Large Text (above 18pt) WCAG AA × Fail

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 70.5077, 81.3766, 87.5924 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

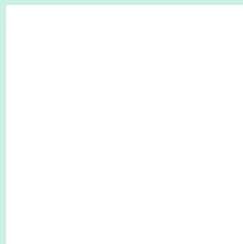
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5077, 81.3766, 87.5924

Background



This preview shows how black text looks on a background with the XYZ color 70.5077, 81.3766, 87.5924.

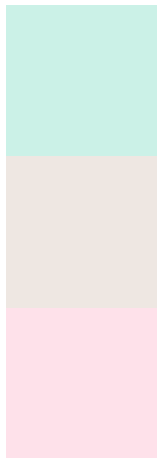


This preview shows how white text looks on a background with the XYZ color 70.5077, 81.3766,

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

70.5077, 81.3766, 87.5924

Protanopia

77.5633, 80.8200, 83.4633

Deuteranopia

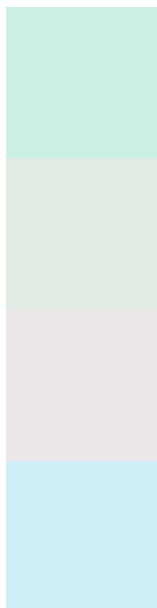
82.6495, 80.8618, 89.0937



Tritanopia

74.6287, 81.3437, 106.3753

Trichromacy



Original Color

70.5077, 81.3766, 87.5924

Protanomaly

74.7633, 81.0256, 85.0979

Deuteranomaly

77.5448, 80.6972, 88.5799

Tritanomaly

72.9412, 81.0683, 98.9921

Monochromacy



Original Color

70.5077, 81.3766, 87.5924

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.9370, 79.2066, 86.3071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5077, 81.3766, 87.5924 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(203, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(203, 241, 231)  
}
```

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(203, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 241, 231) }
```

Border

The CSS property to change the border of an element to XYZ 70.5077, 81.3766, 87.5924 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(203, 241, 231) }
```


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

```
.border{ border-color:rgb(203, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(203, 241,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5077, 81.3766, 87.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 241, 231) }
```

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

```
.background{ background-color: rgb(203,  
241, 231) }
```

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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