

Converting Colors

XYZ(70.3450, 80.7940, 80.1198)

Have a look what the booklet for
XYZ(70.3450, 80.7940, 80.1198)
contains.

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Color

**XYZ(70.2121, 80.5088,
80.2458)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EFDD
RGB	209, 239, 221
RGB Percent	82%, 94%, 87%
CMY	0.1804, 0.0627, 0.1333
CMYK	0.13, 0.00, 0.08, 0.06
HSL	144°, 48%, 88%
HSV	144°, 13%, 94%
XYZ	70.2121, 80.5088, 80.2458
YIQ	227.9780, -12.1020, -11.9580

Conversions

Conversions Part 2

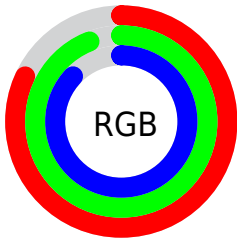
Format	Color
R _{YB}	209, 230, 239
Decimal	13758429
CIE Lab	91.91, -13.15, 5.40
CIE LCh	92, 14.218, 157.674
Yxy	80.5088, 0.3040, 0.3486
Android (android.graphics.Color)	4291948509 (0xFFD1EFDD)
YUV	227.9780, -3.4402, -16.6437
Hunter-Lab	89.7267, -17.3436, 9.7835

Details

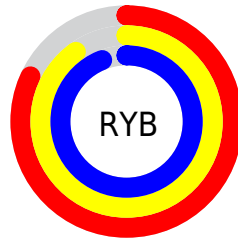
The XYZ color **70.2121, 80.5088, 80.2458** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2650, 69.4996, 82.2826**, and the grayscale version is **73.7593, 77.6005, 84.5070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1428, 43.4902, 42.5132** is the 20% darker color. If you saturate the color by 10%, you get **62.1210, 76.5514, 70.3159**, and if you desaturate by 10%, it is **79.4854, 85.0613, 91.0865**.

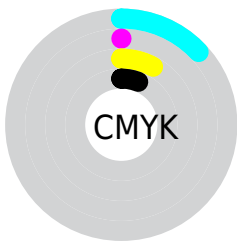
Distribution



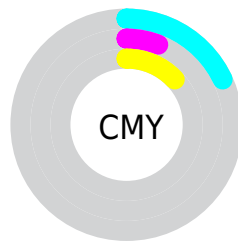
- Red (82%)
- Green (94%)
- Blue (87%)



- Red (82%)
- Yellow (90%)
- Blue (94%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (18%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2121, 80.5088, 80.2458 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 70.2121, 80.5088, 80.2458 by changing the saturation by 10% instead.

70.2121, 80.5088,
80.2458

70.2121, 80.5088,
80.2458

450.5492,
496.6459, 515.4894

51.9797, 60.1371,
59.3933

118.5358,
134.0808, 135.5258

37.2131, 43.5292,
42.5077

149.3578,
168.0500, 170.7903

25.5470, 30.3005,
29.1705

185.1070,
207.3205, 211.6960

16.6159, 20.0668,
18.9632

226.1488,
252.2766, 258.6612

10.0546, 12.4436,
11.4671

272.8486,
303.3028, 312.1047

5.4977, 7.0466,
6.2638

325.5717,

2.5799, 3.4912,

360.7835, 372.4448

2.9348

384.6834,
425.1031, 440.1002

■ 0.9357, 1.3933,
1.0614

■ 0.0000, 0.2117,
0.0000

■ 70.2121, 80.5088,
80.2458

■ 70.2121, 80.5088,
80.2458

■ 62.1210, 76.5514,
70.3159

■ 79.4854, 85.0613,
91.0865

■ 55.1563, 73.1540,
61.2679

■ 89.3139, 89.8785,
102.8241

■ 49.2675, 70.2933,
53.0792

■ 90.1581, 90.2161,
107.2694

■ 44.3977, 67.9406,
45.7240

■ 40.4844, 66.0641,
39.1755

■ 37.4578, 64.6285,
33.4051

■ 35.2381, 63.5930,
28.3824

■ 33.7294, 62.9091,
24.0748

■ 32.9607, 62.5732,
21.3089

Harmonies

Analogous

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



72.3123, 80.5088, 72.6970



70.2121, 80.5088, 80.2458



69.7756, 80.5088, 90.3713

Triad

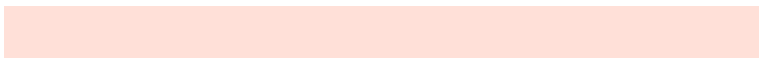
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2121, 80.5088, 80.2458



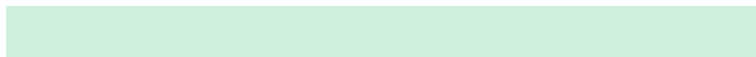
77.4620, 80.5088, 109.1227



82.2106, 80.5088, 75.9432

Complementary

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



70.2121, 80.5088, 80.2458



72.2650, 69.4996, 82.2826

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.



83.6881, 80.5088, 85.0043



70.2121, 80.5088, 80.2458



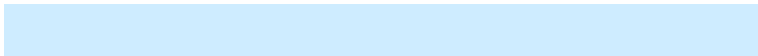
80.8903, 80.5088, 104.5479

Square

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



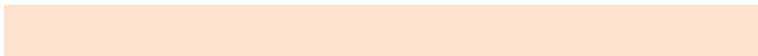
70.2121, 80.5088, 80.2458



73.8864, 80.5088, 107.5948



83.1974, 80.5088, 95.5182



79.2179, 80.5088, 70.3540

Rectangle

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



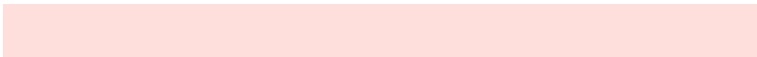
70.2121, 80.5088, 80.2458



70.4737, 80.5088, 97.3288



83.1974, 80.5088, 95.5182



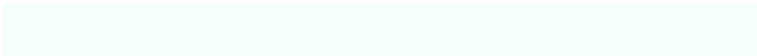
82.9052, 80.5088, 78.6545

Sweetspot

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



70.2143, 80.5122, 80.2476



90.4265, 97.7286, 103.6216



74.2146, 82.7526, 72.3838



19.1743, 20.8292, 21.9710



0.0000, 0.0000, 0.0000



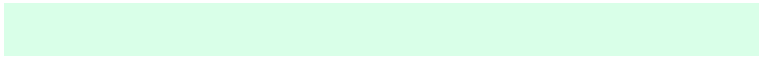
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2143, 80.5122, 80.2476



78.8734, 92.0624, 89.9928



72.2314, 81.3190, 90.8694



15.8278, 17.7612, 18.1162



18.2745, 34.6018, 12.0945



1.5681, 2.8977, 1.2580

Inverse Universe

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



72.2650, 69.4996, 82.2826



81.6723, 77.0305, 92.7696



70.3463, 68.7321, 72.1788



16.1710, 15.9181, 18.4569



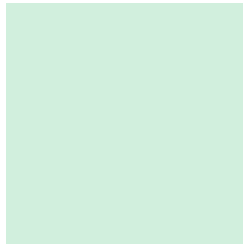
22.4951, 11.2705, 15.7895



1.9204, 0.9572, 1.5715

Previews

White Background



This preview shows how the XYZ color 70.2121, 80.5088, 80.2458 looks on a white background.

Color Contrast Check

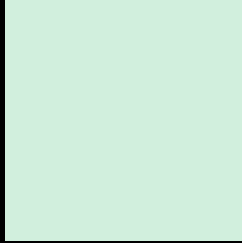
Large Text (above 18pt) WCAG AA × Fail

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 70.2121, 80.5088, 80.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

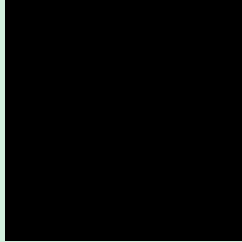
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

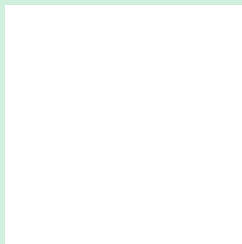
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2121, 80.5088, 80.2458

Background



This preview shows how black text looks on a background with the XYZ color 70.2121, 80.5088, 80.2458.



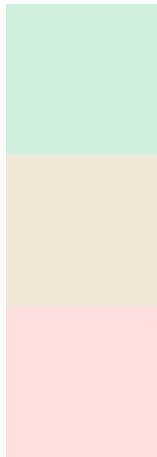
This preview shows how white text looks on a background with the XYZ color 70.2121, 80.5088,

80.2458.

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

70.2121, 80.5088, 80.2458

Protanopia

76.5672, 80.4604, 76.4606

Deuteranopia

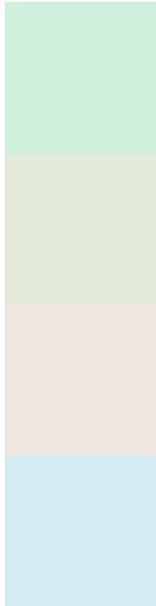
81.4863, 80.0076, 82.3824



Tritanopia

74.8840, 80.2336, 104.4683

Trichromacy



Original Color

70.2121, 80.5088, 80.2458

Protanomaly

74.0726, 80.4016, 77.9447

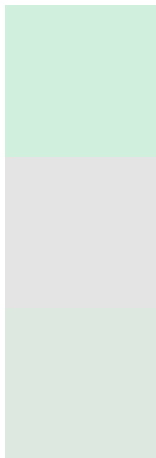
Deuteranomaly

76.7338, 79.5976, 81.8406

Tritanomaly

73.0240, 80.3388, 94.8773

Monochromacy



Original Color

70.2121, 80.5088, 80.2458

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.2660, 78.5216, 82.5815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2121, 80.5088, 80.2458 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, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(209, 239, 221)  
}
```

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, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 239, 221) }
```

Border

The CSS property to change the border of an element to XYZ 70.2121, 80.5088, 80.2458 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, 239, 221) }
```


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

```
.border{ border-color:rgb(209, 239, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 239, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(209, 239,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2121, 80.5088, 80.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 239, 221) }
```

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

```
.background{ background-color: rgb(209,  
239, 221) }
```

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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