

Converting Colors

XYZ(67.4537, 79.5730, 71.9754)

Have a look what the booklet for
XYZ(67.4537, 79.5730, 71.9754)
contains.

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Color

**XYZ(67.5706, 79.7610,
72.1557)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF0D1
RGB	204, 240, 209
RGB Percent	80%, 94%, 82%
CMY	0.2000, 0.0588, 0.1804
CMYK	0.15, 0.00, 0.13, 0.06
HSL	128°, 55%, 87%
HSV	128°, 15%, 94%
XYZ	67.5706, 79.7610, 72.1557
YIQ	225.7020, -11.5050, -17.2730

Conversions

Conversions Part 2

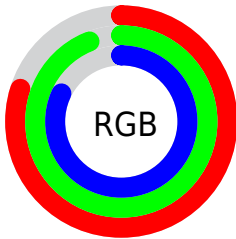
Format	Color
RYB	204, 236, 240
Decimal	13430993
CIELab	91.58, -17.45, 11.11
CIELCh	92, 20.685, 147.512
Yxy	79.7610, 0.3079, 0.3634
Android (android.graphics.Color)	4291621073 (0xFFCCCF0D1)
YUV	225.7020, -8.2341, -19.0327
Hunter-Lab	89.3090, -21.2389, 14.6140

Details

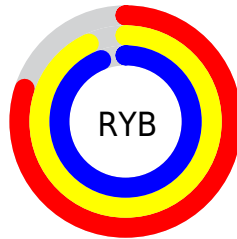
The XYZ color **67.5706, 79.7610, 72.1557** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5263, 67.7111, 87.8480**, and the grayscale version is **72.1389, 75.8957, 82.6504**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6346, 43.1316, 37.4574** is the 20% darker color. If you saturate the color by 10%, you get **59.0975, 75.6720, 59.2577**, and if you desaturate by 10%, it is **77.3937, 84.5122, 86.8530**.

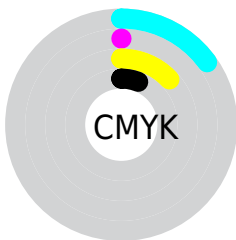
Distribution



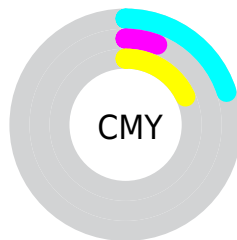
- Red (80%)
- Green (94%)
- Blue (82%)



- Red (80%)
- Yellow (93%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5706, 79.7610, 72.1557 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 67.5706, 79.7610, 72.1557 by changing the saturation by 10% instead.

67.5706, 79.7610,
72.1557

67.5706, 79.7610,
72.1557

441.3737,
494.1270, 487.0755

49.8209, 59.5217,
52.7983

114.7829,
133.0297, 123.9876

35.4883, 43.0332,
37.2551

144.9763,
166.8278, 157.2992

24.2075, 29.9112,
25.1078

180.0482,
205.9144, 196.0993

15.6132, 19.7712,
15.9376

220.3640,
250.6737, 240.8064

9.3400, 12.2288,
9.3261

266.2891,
301.4903, 291.8390

5.0225, 6.8997,
4.8548

318.1889,

2.2953, 3.3995,

358.7484, 349.6157

2.1051

376.4286,
422.8325, 414.5550

0.7923, 1.3437,
0.6188

0.0000, 0.1746,
0.0000

67.5706, 79.7610,
72.1557

67.5706, 79.7610,
72.1557

59.0975, 75.6720,
59.2577

77.3937, 84.5122,
86.8530

51.9090, 72.2060,
48.0848

88.6156, 89.9424,
103.4094

45.9438, 69.3354,
38.5654

90.4516, 90.8032,
107.3672

41.1333, 67.0263,
30.6209

■ 37.4018, 65.2417,
24.1663

■ 34.6646, 63.9397,
19.1086

■ 32.8240, 63.0722,
15.3442

■ 31.7615, 62.5807,
12.7552

■ 31.4408, 62.4349,
11.8574

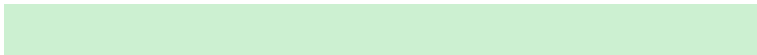
Harmonies

Analogous

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



71.2198, 79.7610, 63.5409



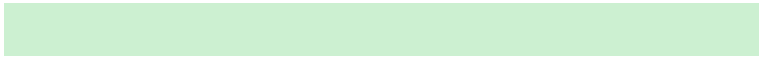
67.5706, 79.7610, 72.1557



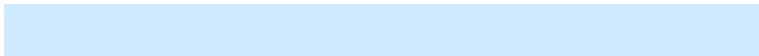
66.1195, 79.7610, 85.5910

Triad

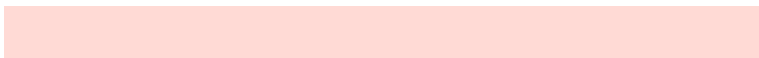
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5706, 79.7610, 72.1557



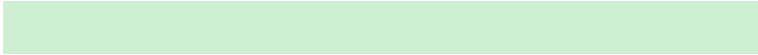
75.3709, 79.7610, 119.2293



85.1694, 79.7610, 74.1037

Complementary

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



67.5706, 79.7610, 72.1557



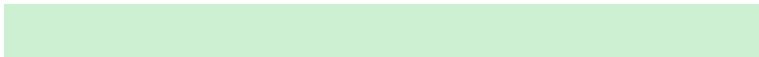
72.5263, 67.7111, 87.8480

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.



86.4049, 79.7610, 88.1136



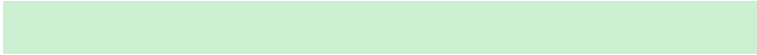
67.5706, 79.7610, 72.1557



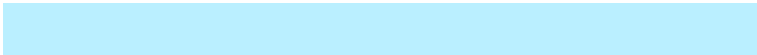
80.5943, 79.7610, 115.2494

Square

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



67.5706, 79.7610, 72.1557



70.4906, 79.7610, 113.7330



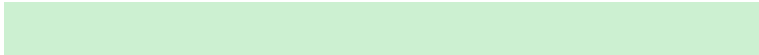
84.6943, 79.7610, 103.4064



81.3914, 79.7610, 64.5705

Rectangle

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



67.5706, 79.7610, 72.1557



66.5409, 79.7610, 95.8860



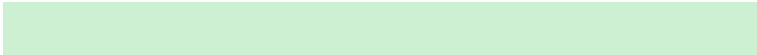
84.6943, 79.7610, 103.4064



85.9032, 79.7610, 78.3931

Sweetspot

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



67.5728, 79.7644, 72.1575



88.7961, 96.9744, 99.6424



76.3895, 84.3800, 69.3886



18.8249, 20.6689, 21.0583



0.0000, 0.0000, 0.0000



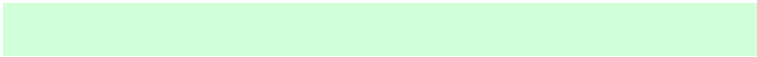
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5728, 79.7644, 72.1575



74.4096, 90.0206, 78.0642



69.9020, 80.6961, 84.4229



15.6553, 17.6921, 17.2077



17.2384, 34.1874, 6.6384



1.4617, 2.8551, 0.6978

Inverse Universe

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



72.5263, 67.7111, 87.8480



81.1055, 73.7262, 99.2723



70.0810, 66.7330, 74.9712



16.3543, 15.9914, 19.4221



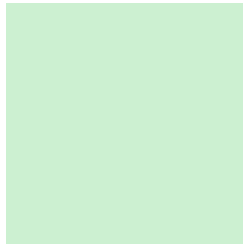
25.8517, 12.6131, 33.4655



2.1764, 1.0596, 2.9196

Previews

White Background



This preview shows how the XYZ color 67.5706, 79.7610, 72.1557 looks on a white background.

Color Contrast Check

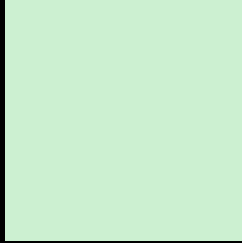
Large Text (above 18pt) WCAG AA × Fail

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 67.5706, 79.7610, 72.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

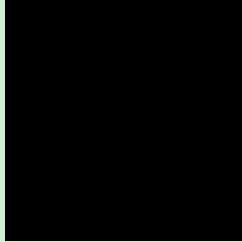
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

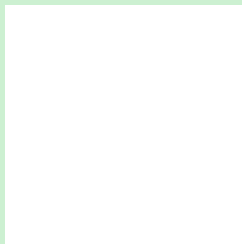
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5706, 79.7610, 72.1557

Background



This preview shows how black text looks on a background with the XYZ color 67.5706, 79.7610, 72.1557.

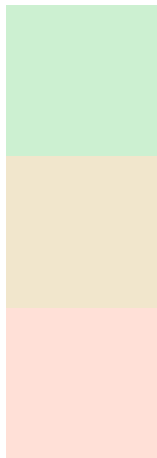


This preview shows how white text looks on a background with the XYZ color 67.5706, 79.7610,

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

67.5706, 79.7610, 72.1557

Protanopia

75.4715, 79.6540, 68.5237

Deuteranopia

80.1614, 79.4776, 75.4057



Tritanopia

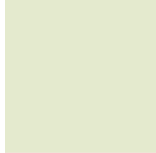
73.8575, 79.7228, 103.5908

Trichromacy



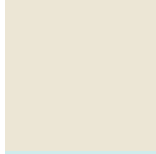
Original Color

67.5706, 79.7610, 72.1557



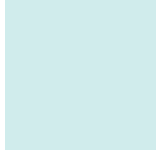
Protanomaly

72.5583, 79.7958, 69.9704



Deuteranomaly

74.8991, 79.2306, 74.2962



Tritanomaly

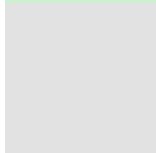
71.1482, 79.4569, 90.9437

Monochromacy



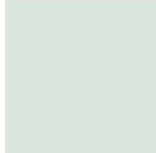
Original Color

67.5706, 79.7610, 72.1557



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.4076, 77.2246, 78.9051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5706, 79.7610, 72.1557 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, 240, 209)` looks like.

```
.text, #text, p{  
    color:rgb(204, 240, 209)  
}
```

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, 240, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 209) }
```

Border

The CSS property to change the border of an element to XYZ 67.5706, 79.7610, 72.1557 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, 240, 209) }
```


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

```
.border{ border-color:rgb(204, 240, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 240, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(204, 240,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5706, 79.7610, 72.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 240, 209) }
```

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

```
.background{ background-color: rgb(204,  
240, 209) }
```

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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