

Converting Colors

XYZ(70.1678, 79.7918, 89.6130)

Have a look what the booklet for
XYZ(70.1678, 79.7918, 89.6130)
contains.

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Color

**XYZ(70.0544, 79.7861,
89.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEEEA
RGB	203, 238, 234
RGB Percent	80%, 93%, 92%
CMY	0.2039, 0.0666, 0.0823
CMYK	0.15, 0.00, 0.02, 0.07
HSL	173°, 51%, 86%
HSV	173°, 15%, 93%
XYZ	70.0544, 79.7861, 89.5499
YIQ	227.0790, -19.5760, -8.6640

Conversions

Conversions Part 2

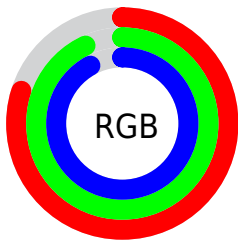
Format	Color
R _Y B	203, 222, 238
Decimal	13364970
CIE Lab	91.59, -12.09, -1.89
CIE LCh	92, 12.241, 188.862
Yxy	79.7861, 0.2926, 0.3333
Android (android.graphics.Color)	4291555050 (0xFFCBEEEA)
YUV	227.0790, 3.4121, -21.1173
Hunter-Lab	89.3231, -16.3212, 3.0856

Details

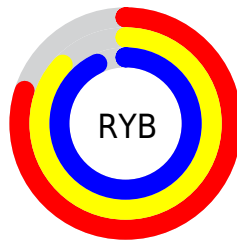
The XYZ color **70.0544, 79.7861, 89.5499** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8812, 65.3961, 68.0799**, and the grayscale version is **73.0591, 76.8639, 83.7048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9766, 42.9661, 48.4639** is the 20% darker color. If you saturate the color by 10%, you get **63.6764, 76.5451, 87.2271**, and if you desaturate by 10%, it is **77.4380, 83.5491, 91.9545**.

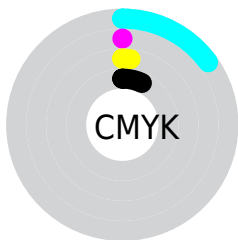
Distribution



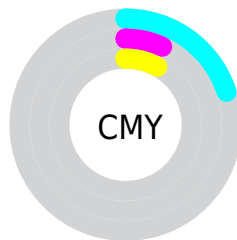
- Red (80%)
- Green (93%)
- Blue (92%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0544, 79.7861, 89.5499 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 70.0544, 79.7861, 89.5499 by changing the saturation by 10% instead.

70.0544, 79.7861,
89.5499

70.0544, 79.7861,
89.5499

450.0044,
494.2117, 547.0979

51.8506, 59.5424,
67.0358

118.3122,
133.0650, 148.6431

37.1098, 43.0499,
48.6519

149.0969,
166.8689, 186.0592

25.4666, 29.9242,
33.9798

184.8060,
205.9616, 229.2798

16.5556, 19.7811,
22.6008

225.8048,
250.7276, 278.7233

10.0115, 12.2360,
14.0965

272.4587,
301.5512, 334.8084

5.4689, 6.9046,
8.0483

325.1330,

2.5625, 3.4025,

358.8168, 397.9534

4.0377

384.1932,
422.9088, 468.5771

■ 0.9269, 1.3453,
1.6460

■ 0.0000, 0.1759,
0.3234

■ 70.0544, 79.7861,
89.5499

■ 70.0544, 79.7861,
89.5499

■ 63.6764, 76.5451,
87.2271

■ 77.4380, 83.5491,
91.9545

■ 58.2518, 73.7928,
84.9784


■ 85.8628, 87.8460,
94.4377


■ 53.7342, 71.5074,
82.8033


■ 87.8683, 88.8329,
96.6521

■ 50.0706, 69.6615,
80.6991


■ 88.2807, 88.9979,
98.8237


 47.2023, 68.2249,
78.6629


 88.6992, 89.1653,
101.0276


 45.0631, 67.1635,
76.6915


 89.1238, 89.3351,
103.2637

 43.5765, 66.4379,
74.7812

 89.5546, 89.5075,
105.5324

 42.6482, 65.9994,
72.9274

 89.8660, 89.6320,
107.1720

 42.3068, 65.8443,
71.9655

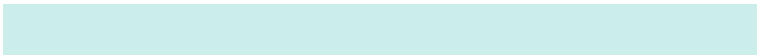
Harmonies

Analogous

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



70.3701, 79.7861, 80.8181



70.0544, 79.7861, 89.5499



71.2539, 79.7861, 98.1171

Triad

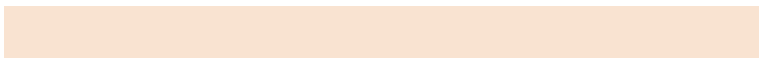
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0544, 79.7861, 89.5499



79.6648, 79.7861, 100.9646



78.0205, 79.7861, 71.7999

Complementary

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



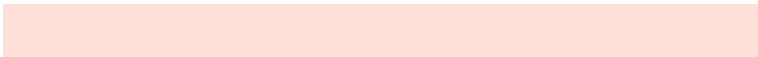
70.0544, 79.7861, 89.5499



67.8812, 65.3961, 68.0799

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.



80.6069, 79.7861, 76.5234



70.0544, 79.7861, 89.5499



81.5742, 79.7861, 93.2241

Square

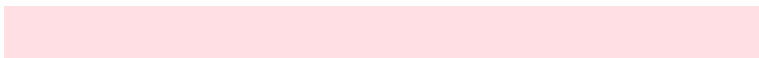
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



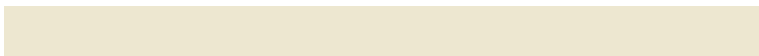
70.0544, 79.7861, 89.5499



76.7631, 79.7861, 104.9980



81.9237, 79.7861, 84.2510



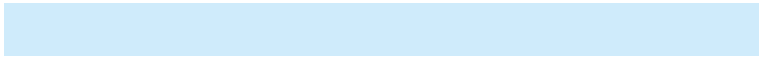
74.9130, 79.7861, 70.9648

Rectangle

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



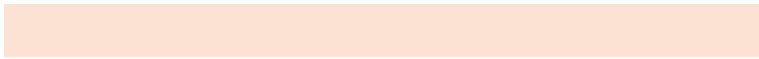
70.0544, 79.7861, 89.5499



72.7713, 79.7861, 102.4405



81.9237, 79.7861, 84.2510



78.9821, 79.7861, 72.9692

Sweetspot

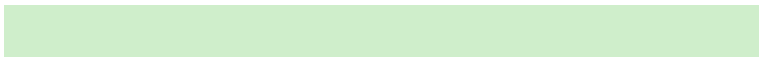
The Sweet Spot groups the original color and five complimentary colors.



70.0567, 79.7894, 89.5517



91.2092, 98.0416, 107.7428



67.1118, 78.7417, 68.1627



19.3726, 20.9085, 23.0152



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.



70.0567, 79.7894, 89.5517



79.2990, 91.9764, 103.8111



66.8763, 72.4976, 91.3615



16.1650, 17.8960, 19.8915



23.6327, 36.7451, 40.3102



1.9879, 3.0656, 3.4689

Inverse Universe

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



67.8812, 65.3961, 68.0799



76.2473, 71.7829, 73.6896



70.7049, 71.8171, 66.6367



15.8463, 15.7882, 16.7469



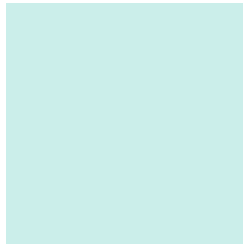
19.8068, 10.1952, 1.6333



1.6716, 0.8577, 0.2617

Previews

White Background



This preview shows how the XYZ color 70.0544, 79.7861, 89.5499 looks on a white background.

Color Contrast Check

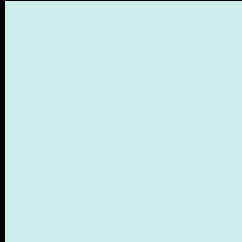
Large Text (above 18pt) WCAG AA × Fail

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 70.0544, 79.7861, 89.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

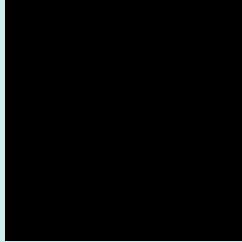
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

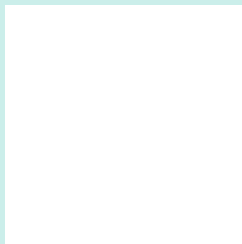
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0544, 79.7861, 89.5499

Background



This preview shows how black text looks on a background with the XYZ color 70.0544, 79.7861, 89.5499.



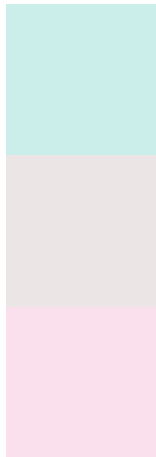
This preview shows how white text looks on a background with the XYZ color 70.0544, 79.7861,

89.5499.

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

70.0544, 79.7861, 89.5499

Protanopia

76.4231, 79.3579, 85.4184

Deuteranopia

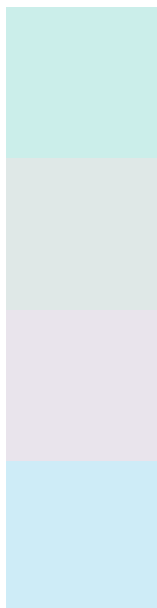
81.0981, 79.2138, 91.1362



Tritanopia

73.3299, 79.8378, 105.3113

Trichromacy



Original Color

70.0544, 79.7861, 89.5499

Protanomaly

73.7118, 79.1707, 86.9978

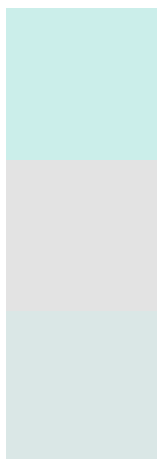
Deuteranomaly

76.4880, 78.8666, 90.5483

Tritanomaly

72.2376, 79.8281, 99.5967

Monochromacy



Original Color

70.0544, 79.7861, 89.5499

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7723, 77.7704, 86.0913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0544, 79.7861, 89.5499 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, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 234)  
}
```

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, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.0544, 79.7861, 89.5499 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, 238, 234) }
```


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

```
.border{ border-color:rgb(203, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 238, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 238, 234); box-shadow:4px 4px 4px 4px rgb(203, 238, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0544, 79.7861, 89.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 234) }
```

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

```
.background{ background-color: rgb(203,  
238, 234) }
```

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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