

Converting Colors

XYZ(70.8346, 78.2364, 95.3731)

Have a look what the booklet for
XYZ(70.8346, 78.2364, 95.3731)
contains.

XYZ(70.9034, 78.3783, 95.3959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9034, 78.3783,
95.3959)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEAF2
RGB	206, 234, 242
RGB Percent	81%, 92%, 95%
CMY	0.1921, 0.0823, 0.0510
CMYK	0.15, 0.03, 0.00, 0.05
HSL	193°, 58%, 88%
HSV	193°, 15%, 95%
XYZ	70.9034, 78.3783, 95.3959
YIQ	226.5400, -19.2560, -3.4480

Conversions

Conversions Part 2

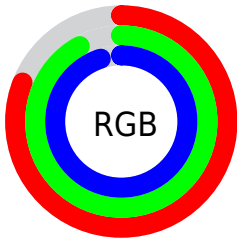
Format	Color
R _Y B	206, 222, 242
Decimal	13560562
CIE Lab	90.95, -7.53, -6.98
CIE LCh	91, 10.267, 222.796
Yxy	78.3783, 0.2898, 0.3203
Android (android.graphics.Color)	4291750642 (0xFFCEEAF2)
YUV	226.5400, 7.6218, -18.0136
Hunter-Lab	88.5315, -11.9725, -1.9150

Details

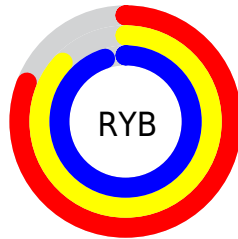
The XYZ color **70.9034, 78.3783, 95.3959** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8055, 71.4262, 68.3959**, and the grayscale version is **72.6380, 76.4209, 83.2223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5458, 41.9653, 52.5756** is the 20% darker color. If you saturate the color by 10%, you get **63.1888, 72.1657, 94.6046**, and if you desaturate by 10%, it is **79.7034, 85.2235, 96.2546**.

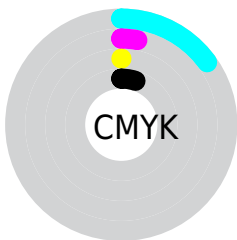
Distribution



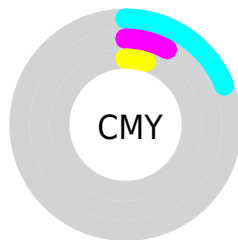
- Red (81%)
- Green (92%)
- Blue (95%)



- Red (81%)
- Yellow (87%)
- Blue (95%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9034, 78.3783, 95.3959 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 70.9034, 78.3783, 95.3959 by changing the saturation by 10% instead.

70.9034, 78.3783,
95.3959

70.9034, 78.3783,
95.3959

452.9328,
489.4506, 566.4483

52.5456, 58.3848,
71.8658

119.5154,
131.0833, 156.8117

37.6662, 42.1181,
52.5629

150.5004,
164.5635, 195.5345

25.8997, 29.1938,
37.0686

186.4251,
203.3081, 240.1587

16.8809, 19.2274,
24.9644

227.6550,
247.7015, 291.1027

10.2444, 11.8347,
15.8318

274.5553,
298.1281, 348.7852

5.6248, 6.6312,
9.2521

327.4915,

2.6568, 3.2326,

354.9722, 413.6245

4.8069

386.8289,
418.6182, 486.0394

■ 0.9750, 1.2543,
2.0777

■ 0.0000, 0.1054,
0.6024

■ 70.9034, 78.3783,
95.3959

■ 70.9034, 78.3783,
95.3959

■ 63.1888, 72.1657,
94.6046

■ 79.7034, 85.2235,
96.2546

■ 56.5052, 66.5509,
93.8731

■ 89.6264, 92.7151,
97.1776

■ 50.8036, 61.5101,
93.2006

■ 91.4938, 96.1239,
97.7372

■ 46.0282, 57.0138,
92.5845

■ 93.0272, 99.1909,
98.2483

■ 42.1174, 53.0297,
92.0216

■ 39.0019, 49.5215,
91.5086

■ 36.6009, 46.4468,
91.0417

■ 34.8156, 43.7541,
90.6160

■ 34.0632, 42.4828,
90.4103

Harmonies

Analogous

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



69.7472, 78.3783, 88.5368



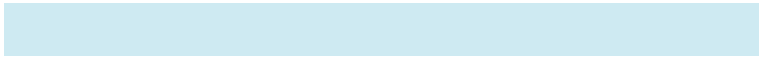
70.9034, 78.3783, 95.3959



73.0338, 78.3783, 99.6943

Triad

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



70.9034, 78.3783, 95.3959



79.3526, 78.3783, 89.6266



73.3993, 78.3783, 72.1813

Complementary

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



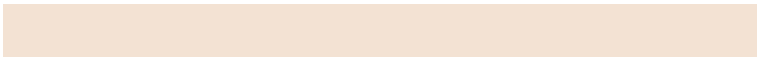
70.9034, 78.3783, 95.3959



71.8055, 71.4262, 68.3959

Split Complementary

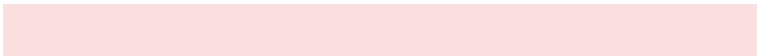
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9781, 78.3783, 72.4354



70.9034, 78.3783, 95.3959



79.4560, 78.3783, 82.2223

Square

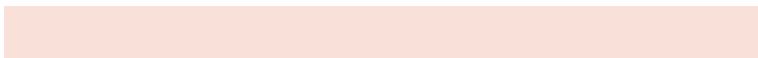
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9034, 78.3783, 95.3959



77.9291, 78.3783, 96.2334



78.2084, 78.3783, 76.0180



71.1656, 78.3783, 75.3026

Rectangle

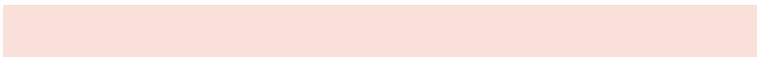
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9034, 78.3783, 95.3959



74.7393, 78.3783, 100.3845



78.2084, 78.3783, 76.0180



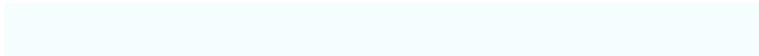
74.2537, 78.3783, 71.8803

Sweetspot

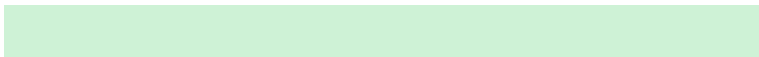
The Sweet Spot groups the original color and five complimentary colors.



70.9057, 78.3815, 95.3977



90.6779, 96.6794, 108.4895



69.3191, 81.4722, 75.5580



19.2377, 20.5625, 23.2050



0.0000, 0.0000, 0.0000



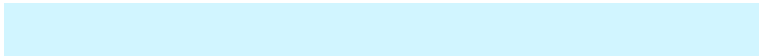
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9057, 78.3815, 95.3977



76.9661, 85.9764, 107.1463



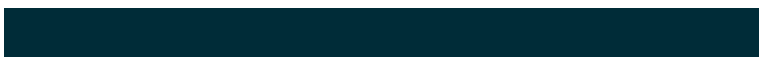
66.0890, 68.7483, 93.7921



15.9322, 17.2985, 20.2208



18.4049, 23.0341, 48.6039



1.6035, 2.0611, 4.0675

Inverse Universe

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



73.5423, 68.9619, 87.2806



80.5166, 73.4906, 96.1711



76.5601, 80.9355, 69.9808



16.2952, 15.9678, 19.1108



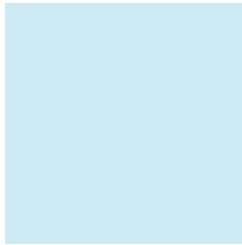
24.6156, 12.1187, 26.9559



2.0843, 1.0228, 2.4350

Previews

White Background



This preview shows how the XYZ color 70.9034, 78.3783, 95.3959 looks on a white background.

Color Contrast Check

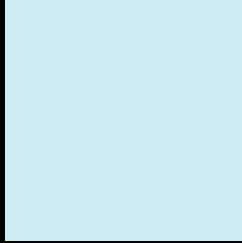
Large Text (above 18pt) WCAG AA × Fail

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 70.9034, 78.3783, 95.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

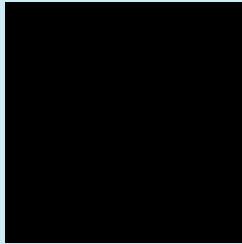
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9034, 78.3783, 95.3959

Background



This preview shows how black text looks on a background with the XYZ color 70.9034, 78.3783, 95.3959.



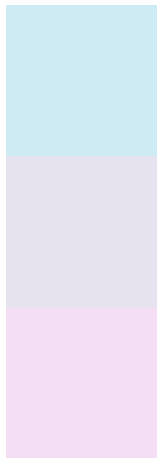
This preview shows how white text looks on a background with the XYZ color 70.9034, 78.3783,

95.3959.

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

70.9034, 78.3783, 95.3959

Protanopia

75.5348, 77.9342, 91.9506

Deuteranopia

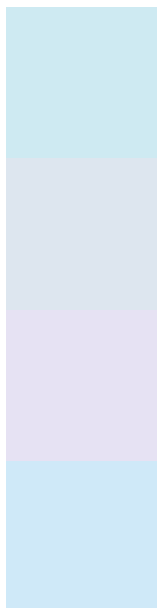
79.7586, 78.0073, 96.4411



Tritanopia

72.5639, 78.6528, 102.6238

Trichromacy



Original Color

70.9034, 78.3783, 95.3959

Protanomaly

73.6956, 78.1978, 92.8709

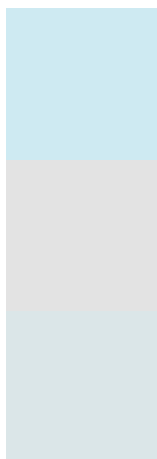
Deuteranomaly

76.0071, 77.6868, 95.7831

Tritanomaly

71.8143, 78.3205, 100.1393

Monochromacy



Original Color

70.9034, 78.3783, 95.3959

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.0757, 77.4799, 87.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9034, 78.3783, 95.3959 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(206, 234, 242)` looks like.

```
.text, #text, p{  
    color:rgb(206, 234, 242)  
}
```

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(206, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 234, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.9034, 78.3783, 95.3959 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(206, 234, 242) }
```


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

```
.border{ border-color:rgb(206, 234, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 234, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 234, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 234, 242);  
box-shadow:4px 4px 4px 4px rgb(206, 234,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9034, 78.3783, 95.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 234, 242) }
```

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

```
.background{ background-color: rgb(206,  
234, 242) }
```

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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