

Converting Colors

XYZ(70.4860, 78.7280, 99.1786)

Have a look what the booklet for
XYZ(70.4860, 78.7280, 99.1786)
contains.

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Color

**XYZ(70.6034, 78.9857,
99.5203)**

Conversions

Conversions Part 1

Format	Color
Hex	C8ECF7
RGB	200, 236, 247
RGB Percent	78%, 93%, 97%
CMY	0.2157, 0.0745, 0.0314
CMYK	0.19, 0.04, 0.00, 0.03
HSL	194°, 75%, 88%
HSV	194°, 19%, 97%
XYZ	70.6034, 78.9857, 99.5203
YIQ	226.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

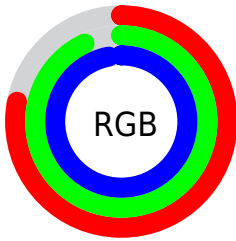
Format	Color
R_{YB}	200, 220, 247
Decimal	13167863
CIE _{Lab}	91.23, -9.36, -9.22
CIE _{LCh}	91, 13.139, 224.560
Yxy	78.9857, 0.2834, 0.3171
Android (android.graphics.Color)	4291357943 (0xFFC8ECF7)
YUV	226.4900, 10.1114, -23.2317
Hunter-Lab	88.8739, -13.7250, -4.1808

Details

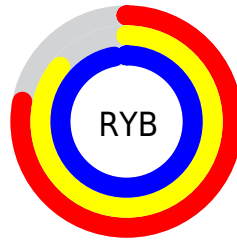
The XYZ color **70.6034, 78.9857, 99.5203** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0781, 70.5329, 64.4605**, and the grayscale version is **72.5873, 76.3675, 83.1642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4023, 42.4238, 55.5075** is the 20% darker color. If you saturate the color by 10%, you get **62.8956, 72.5838, 98.6921**, and if you desaturate by 10%, it is **79.4354, 86.0512, 100.4199**.

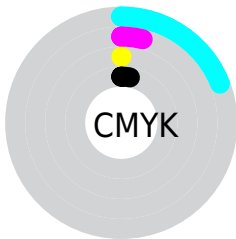
Distribution



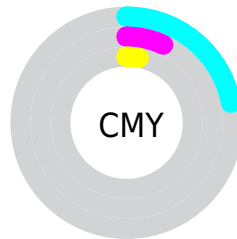
- Red (78%)
- Green (93%)
- Blue (97%)



- Red (78%)
- Yellow (86%)
- Blue (97%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6034, 78.9857, 99.5203 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 70.6034, 78.9857, 99.5203 by changing the saturation by 10% instead.

70.6034, 78.9857,
99.5203

70.6034, 78.9857,
99.5203

451.8993,
491.5080, 579.8872

52.3000, 58.8841,
75.2853

119.0904,
131.9387, 162.5439

37.4695, 42.5198,
55.3435

150.0047,
165.5589, 202.1697

25.7465, 29.5085,
39.2764

185.8534,
204.4540, 247.7628

16.7658, 19.4658,
26.6653

227.0018,
249.0085, 299.7417

10.1619, 12.0074,
17.0918

273.8152,
299.6068, 358.5251

5.5695, 6.7487,
10.1373

326.6590,

2.6233, 3.3054,

356.6332, 424.5314

5.3833

385.8986,
420.4721, 498.1793

0.9578, 1.2932,
2.4112

0.0000, 0.1359,
0.7925

70.6034, 78.9857,
99.5203

70.6034, 78.9857,
99.5203

62.8956, 72.5838,
98.6921

79.4354, 86.0512,
100.4199

56.2533, 66.8083,
97.9274

89.4328, 93.7961,
101.3878

50.6232, 61.6331,
97.2253

93.2624, 98.4427,
102.0829

45.9442, 57.0259,
96.5826

93.7888, 99.4955,
102.2584

■ 42.1484, 52.9508,
95.9961

■ 39.1582, 49.3672,
95.4620

■ 36.8820, 46.2269,
94.9758

■ 35.1826, 43.4586,
94.5310

■ 35.0313, 43.2005,
94.4892

Harmonies

Analogous

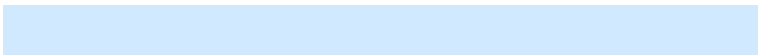
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0455, 78.9857, 90.6947



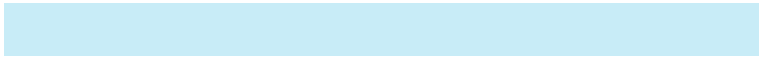
70.6034, 78.9857, 99.5203



73.3819, 78.9857, 104.9153

Triad

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



70.6034, 78.9857, 99.5203



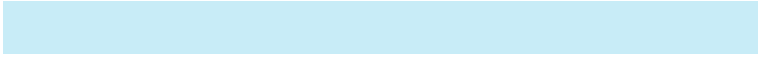
81.4157, 78.9857, 90.9765



73.4754, 78.9857, 69.4472

Complementary

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



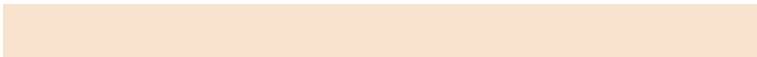
70.6034, 78.9857, 99.5203



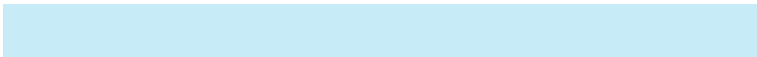
72.0781, 70.5329, 64.4605

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.



76.7910, 78.9857, 69.5104



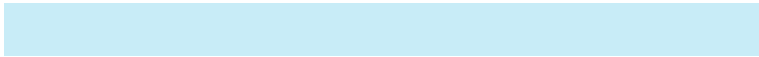
70.6034, 78.9857, 99.5203



81.4426, 78.9857, 81.4740

Square

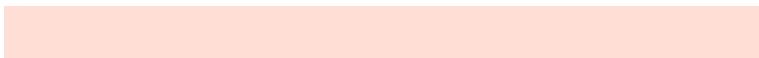
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



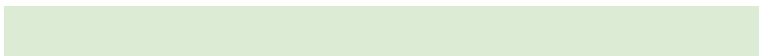
70.6034, 78.9857, 99.5203



79.6562, 78.9857, 99.7397



79.7285, 78.9857, 73.7669



70.6701, 78.9857, 73.5874

Rectangle

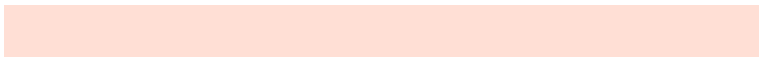
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



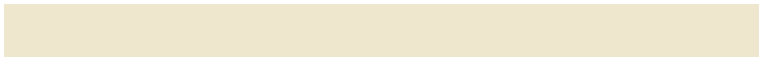
70.6034, 78.9857, 99.5203



75.5838, 78.9857, 105.6060



79.7285, 78.9857, 73.7669



74.5656, 78.9857, 68.9879

Sweetspot

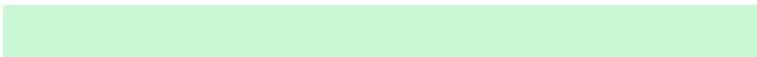
The Sweet Spot groups the original color and five complimentary colors.



70.6057, 78.9889, 99.5221



88.5120, 94.9499, 108.2698



68.8354, 83.5038, 74.0975



18.7988, 20.2090, 23.1599



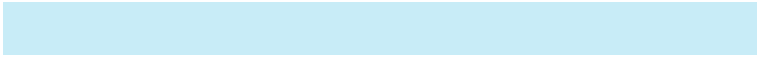
0.0000, 0.0000, 0.0000



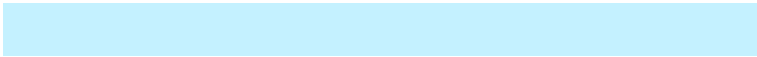
20.3446, 21.4041, 23.3091

Same Dimension

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



70.6057, 78.9889, 99.5221



72.4435, 82.0776, 106.6321



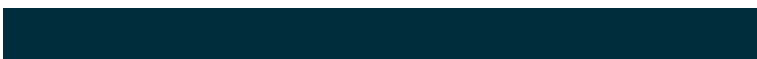
64.2865, 66.3505, 97.4157



16.6488, 18.0620, 21.1514



18.6406, 23.0751, 50.0095



1.7160, 2.1834, 4.4212

Inverse Universe

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



74.1543, 67.1406, 88.4117



76.9776, 67.2654, 92.3627



78.3404, 83.0575, 66.5479



17.0381, 16.6981, 19.9471



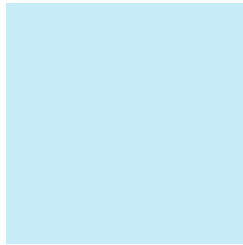
25.2135, 12.4288, 26.8961



2.2552, 1.1080, 2.5703

Previews

White Background



This preview shows how the XYZ color 70.6034, 78.9857, 99.5203 looks on a white background.

Color Contrast Check

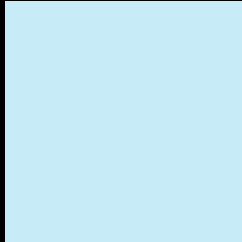
Large Text (above 18pt) WCAG AA × Fail

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 70.6034, 78.9857, 99.5203 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 70.6034, 78.9857, 99.5203

Background



This preview shows how black text looks on a background with the XYZ color 70.6034, 78.9857, 99.5203.

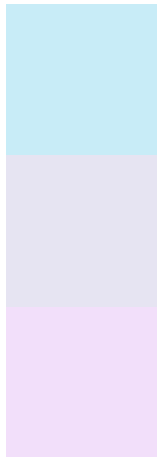


This preview shows how white text looks on a background with the XYZ color 70.6034, 78.9857,

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

70.6034, 78.9857, 99.5203

Protanopia

76.4035, 78.7206, 95.1721

Deuteranopia

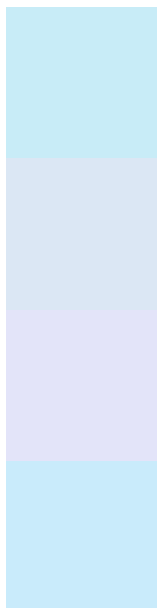
80.2609, 78.5547, 101.3749



Tritanopia

71.6851, 78.9899, 105.2343

Trichromacy



Original Color

70.6034, 78.9857, 99.5203

Protanomaly

74.1185, 78.7436, 96.8805

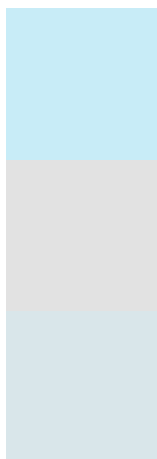
Deuteranomaly

76.5208, 78.6573, 100.7718

Tritanomaly

71.2083, 78.7992, 102.7235

Monochromacy



Original Color

70.6034, 78.9857, 99.5203

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7634, 77.2859, 88.9772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6034, 78.9857, 99.5203 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(200, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(200, 236, 247)  
}
```

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(200, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 236, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.6034, 78.9857, 99.5203 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(200, 236, 247) }
```


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

```
.border{ border-color:rgb(200, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(200, 236,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6034, 78.9857, 99.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 236, 247) }
```

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

```
.background{ background-color: rgb(200,  
236, 247) }
```

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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