

Converting Colors

XYZ(70.2351, 78.4833,
104.1017)

Have a look what the booklet for
XYZ(70.2351, 78.4833, 104.1017)
contains.

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Color

**XYZ(70.4900, 78.8185,
104.4268)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ECFD
RGB	196, 236, 253
RGB Percent	77%, 93%, 99%
CMY	0.2314, 0.0745, 0.0078
CMYK	0.23, 0.07, 0.00, 0.01
HSL	198°, 93%, 88%
HSV	198°, 23%, 99%
XYZ	70.4900, 78.8185, 104.4268
YIQ	225.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

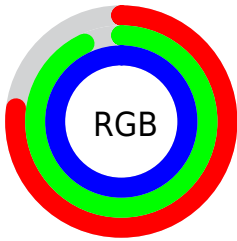
Format	Color
R_{YB}	196, 220, 253
Decimal	12905725
CIE _{Lab}	91.15, -9.28, -12.49
CIE _{LCh}	91, 15.558, 233.390
Yxy	78.8185, 0.2778, 0.3106
Android (android.graphics.Color)	4291095805 (0xFFC4ECFD)
YUV	225.9780, 13.3218, -26.2907
Hunter-Lab	88.7798, -13.6379, -7.5937

Details

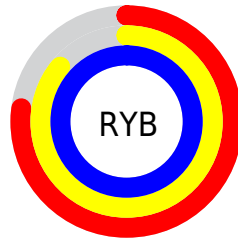
The XYZ color **70.4900, 78.8185, 104.4268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2669, 72.4569, 62.2975**, and the grayscale version is **72.1967, 75.9565, 82.7166**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.2696, 42.2908, 58.4232** is the 20% darker color. If you saturate the color by 10%, you get **62.3300, 71.4569, 103.4372**, and if you desaturate by 10%, it is **79.8562, 86.9421, 105.5024**.

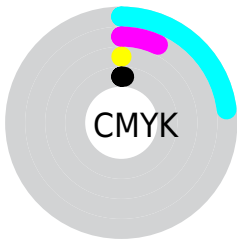
Distribution



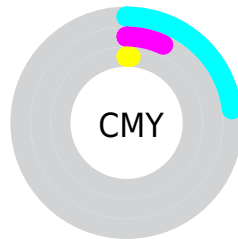
- Red (77%)
- Green (93%)
- Blue (99%)



- Red (77%)
- Yellow (86%)
- Blue (99%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (23%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4900, 78.8185, 104.4268 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 70.4900, 78.8185, 104.4268 by changing the saturation by 10% instead.

70.4900, 78.8185,
104.4268

70.4900, 78.8185,
104.4268

451.5082,
490.9421, 595.6615

52.2071, 58.7466,
79.3653

118.9297,
131.7033, 169.3322

37.3951, 42.4092,
58.6731

149.8173,
165.2850, 210.0131

25.6887, 29.4218,
41.9317

185.6372,
204.1388, 256.7375

16.7223, 19.4001,
28.7227

226.7547,
248.6490, 309.9240

10.1308, 11.9598,
18.6273

273.5352,
299.2000, 369.9911

5.5487, 6.7163,
11.2272

326.3440,

2.6107, 3.2853,

356.1763, 437.3574

6.1038

385.5466,
419.9622, 512.4413

■ 0.9514, 1.2824,
2.8385

■ 0.0000, 0.1275,
1.0128

■ 70.4900, 78.8185,
104.4268

■ 70.4900, 78.8185,
104.4268

■ 62.3300, 71.4569,
103.4372

■ 79.8562, 86.9421,
105.5024

■ 55.3122, 64.8168,
102.5255

■ 90.4742, 95.8469,
106.6616

■ 49.3776, 58.8679,
101.6900

■ 94.7299, 99.8719,
107.2142

■ 44.4583, 53.5736,
100.9274

■ 40.4786, 48.8931,
100.2337

■ 37.3510, 44.7794,
99.6045

■ 34.9700, 41.1763,
99.0345

■ 33.5623, 38.7568,
98.6417

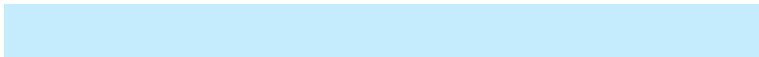
Harmonies

Analogous

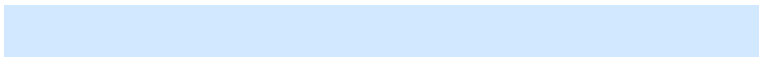
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1789, 78.8185, 94.7182



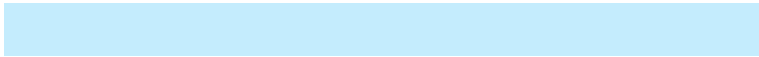
70.4900, 78.8185, 104.4268



74.0466, 78.8185, 109.2089

Triad

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



70.4900, 78.8185, 104.4268



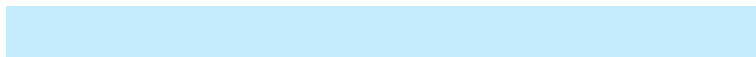
82.6892, 78.8185, 88.3398



71.9492, 78.8185, 67.4189

Complementary

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



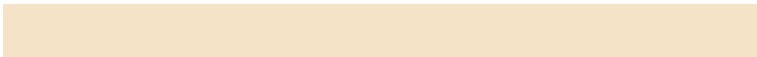
70.4900, 78.8185, 104.4268



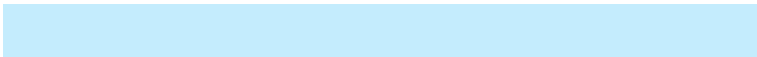
74.2669, 72.4569, 62.2975

Split Complementary

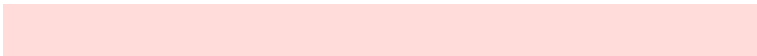
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7894, 78.8185, 66.0343



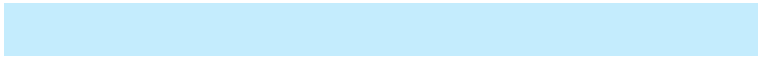
70.4900, 78.8185, 104.4268



82.0800, 78.8185, 77.4972

Square

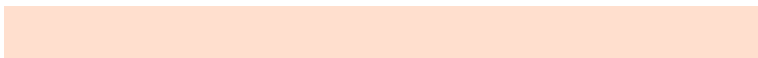
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



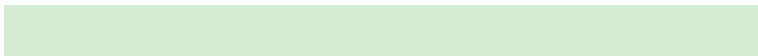
70.4900, 78.8185, 104.4268



81.1573, 78.8185, 99.4099



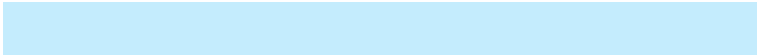
79.5206, 78.8185, 69.5660



69.0005, 78.8185, 73.5286

Rectangle

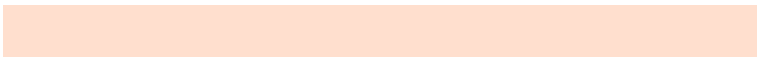
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4900, 78.8185, 104.4268



76.6815, 78.8185, 108.6868



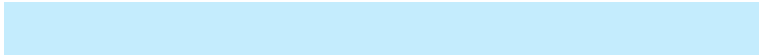
79.5206, 78.8185, 69.5660



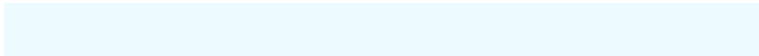
73.1751, 78.8185, 66.4089

Sweetspot

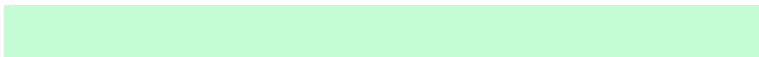
The Sweet Spot groups the original color and five complimentary colors.



70.4924, 78.8217, 104.4286



87.1105, 93.4211, 108.0486



69.7944, 86.7489, 75.4539



18.5052, 19.8786, 23.1116



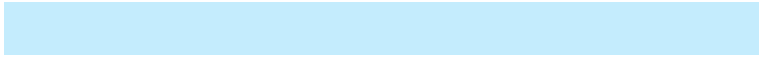
0.0000, 0.0000, 0.0000



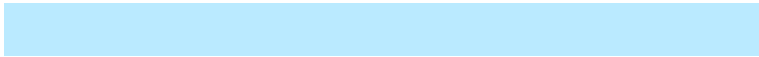
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4924, 78.8217, 104.4286



67.8927, 76.7910, 105.8516



63.1375, 64.1119, 101.9770



18.0707, 19.5130, 23.0639



17.9870, 20.8836, 52.5175



1.8468, 2.2243, 5.1453

Inverse Universe

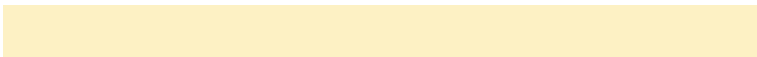
The Inverse Universe completely reimagines the original color for something new.



75.3901, 66.4205, 88.2074



73.7493, 62.4086, 86.3548



81.8250, 87.5733, 64.8169



18.5483, 18.2026, 21.5047



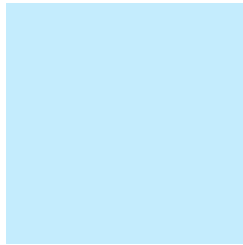
25.8672, 12.8362, 23.7490



2.5668, 1.2691, 2.5661

Previews

White Background



This preview shows how the XYZ color 70.4900, 78.8185, 104.4268 looks on a white background.

Color Contrast Check

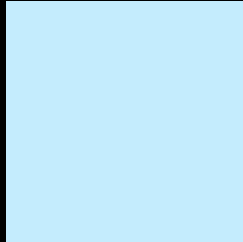
Large Text (above 18pt) WCAG AA × Fail

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 70.4900, 78.8185, 104.4268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

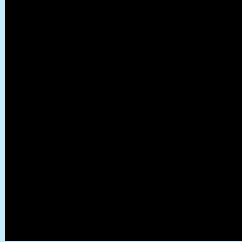
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4900, 78.8185, 104.4268

Background



This preview shows how black text looks on a background with the XYZ color 70.4900, 78.8185, 104.4268.

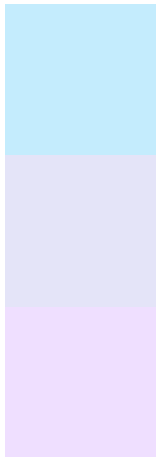


This preview shows how white text looks on a background with the XYZ color 70.4900, 78.8185,

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

70.4900, 78.8185, 104.4268

Protanopia

76.6816, 78.7581, 99.9672

Deuteranopia

80.0343, 78.3461, 105.5118



Tritanopia

70.8104, 78.9467, 106.1139

Trichromacy



Original Color

70.4900, 78.8185, 104.4268

Protanomaly

74.1501, 78.6529, 101.7159

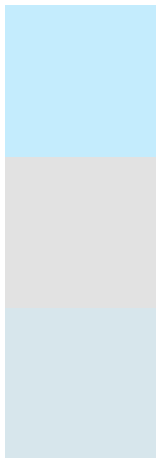
Deuteranomaly

76.0642, 78.3305, 104.8762

Tritanomaly

70.6498, 78.8824, 105.2681

Monochromacy



Original Color

70.4900, 78.8185, 104.4268

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4615, 77.0968, 90.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4900, 78.8185, 104.4268 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(196, 236, 253)` looks like.

```
.text, #text, p{  
    color:rgb(196, 236, 253)  
}
```

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(196, 236, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 236, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.4900, 78.8185, 104.4268 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(196, 236, 253) }
```


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

```
.border{ border-color:rgb(196, 236, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 236, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(196, 236,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4900, 78.8185, 104.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 236, 253) }
```

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

```
.background{ background-color: rgb(196,  
236, 253) }
```

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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