

Converting Colors

XYZ(70.6378, 77.1702,
101.1808)

Have a look what the booklet for
XYZ(70.6378, 77.1702, 101.1808)
contains.

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Color

**XYZ(70.5841, 77.2493,
100.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE8F9
RGB	203, 232, 249
RGB Percent	80%, 91%, 98%
CMY	0.2039, 0.0902, 0.0235
CMYK	0.18, 0.07, 0.00, 0.02
HSL	202°, 79%, 89%
HSV	202°, 18%, 98%
XYZ	70.5841, 77.2493, 100.8130
YIQ	225.2670, -22.7410, -0.8610

Conversions

Conversions Part 2

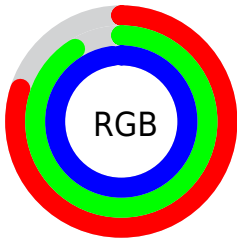
Format	Color
R _Y B	203, 221, 249
Decimal	13363449
CIE Lab	90.44, -5.99, -11.42
CIE LCh	90, 12.897, 242.320
Yxy	77.2493, 0.2839, 0.3107
Android (android.graphics.Color)	4291553529 (0xFFCBE8F9)
YUV	225.2670, 11.7004, -19.5282
Hunter-Lab	87.8916, -10.4602, -6.4824

Details

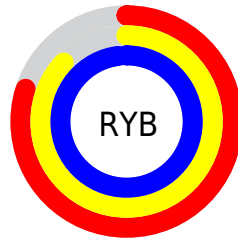
The XYZ color **70.5841, 77.2493, 100.8130** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4403, 75.6380, 67.1249**, and the grayscale version is **71.6921, 75.4257, 82.1386**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3637, 41.1968, 56.4346** is the 20% darker color. If you saturate the color by 10%, you get **61.8181, 68.9875, 99.6816**, and if you desaturate by 10%, it is **80.5793, 86.3500, 102.0441**.

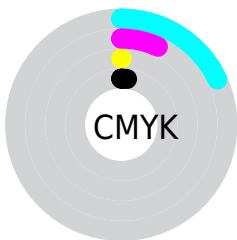
Distribution



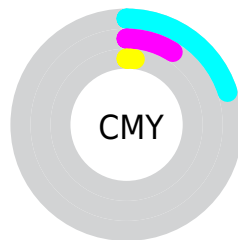
- Red (80%)
- Green (91%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5841, 77.2493, 100.8130 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 70.5841, 77.2493, 100.8130 by changing the saturation by 10% instead.

70.5841, 77.2493,
100.8130

70.5841, 77.2493,
100.8130

451.8327,
485.6136, 584.0650

52.2842, 57.4575,
76.3590

119.0631,
129.4913, 164.3356

37.4568, 41.3727,
56.2185

149.9728,
162.7104, 204.2413

25.7367, 28.6104,
39.9730

185.8166,
201.1739, 250.1346

16.7584, 18.7863,
27.2039

226.9597,
245.2664, 302.4342

10.1566, 11.5160,
17.4926

273.7675,
295.3722, 361.5584

5.5660, 6.4150,
10.4207

326.6054,

2.6211, 3.0990,

351.8758, 427.9260

5.5695

385.8387,
415.1614, 501.9553

■ 0.9567, 1.1837,
2.5206

■ 0.0000, 0.0483,
0.8511

■ 70.5841, 77.2493,
100.8130

■ 70.5841, 77.2493,
100.8130

■ 61.8181, 68.9875,
99.6816

■ 80.5793, 86.3500,
102.0441

■ 54.2205, 61.5243,
98.6415

■ 91.8474, 96.3092,
103.3725

■ 47.7355, 54.8298,
97.6911

■ 94.0991, 99.6197,
103.8928

■ 42.2993, 48.8679,
96.8269

■ 37.8415, 43.5991,
96.0448

■ 34.2820, 38.9786,
95.3406

■ 31.5264, 34.9544,
94.7091

■ 29.4419, 31.4545,
94.1434

■ 29.1553, 30.9519,
94.0615

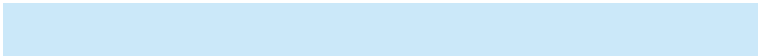
Harmonies

Analogous

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



68.3137, 77.2493, 93.9532



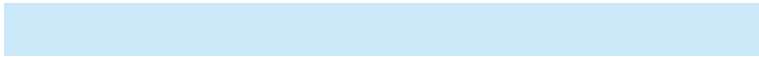
70.5841, 77.2493, 100.8130



73.6741, 77.2493, 103.1038

Triad

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



70.5841, 77.2493, 100.8130



79.7855, 77.2493, 83.3956



70.1621, 77.2493, 69.9975

Complementary

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



70.5841, 77.2493, 100.8130



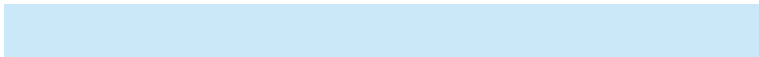
75.4403, 75.6380, 67.1249

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.



73.1728, 77.2493, 67.6074



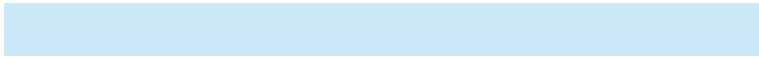
70.5841, 77.2493, 100.8130



78.7812, 77.2493, 74.9820

Square

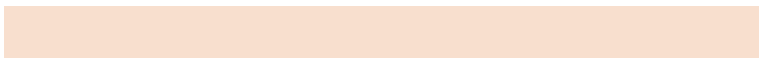
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5841, 77.2493, 100.8130



79.0442, 77.2493, 92.6211



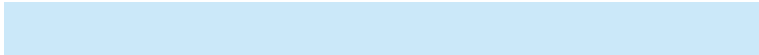
76.3373, 77.2493, 69.3644



68.0751, 77.2493, 76.1395

Rectangle

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



70.5841, 77.2493, 100.8130



75.7999, 77.2493, 101.6060



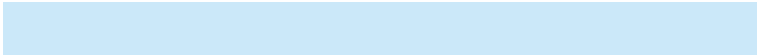
76.3373, 77.2493, 69.3644



71.0966, 77.2493, 68.7498

Sweetspot

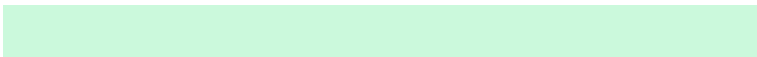
The Sweet Spot groups the original color and five complimentary colors.



70.5864, 77.2525, 100.8147



87.8663, 93.6586, 108.0546



71.4064, 85.6096, 80.3799



18.6460, 19.9033, 23.1089



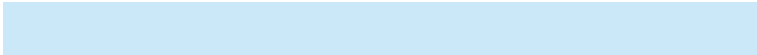
0.0000, 0.0000, 0.0000



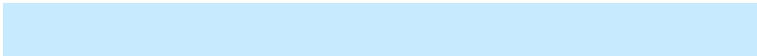
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5864, 77.2525, 100.8147



71.0767, 78.3485, 105.9844



64.5622, 65.2041, 98.8067



17.1952, 18.4673, 22.0435



15.7466, 16.8488, 50.3958



1.5597, 1.7631, 4.7013

Inverse Universe

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



74.9902, 68.6796, 85.6516



76.5307, 68.0169, 87.1411



81.8585, 88.4744, 69.2643



17.7051, 17.4094, 20.3027



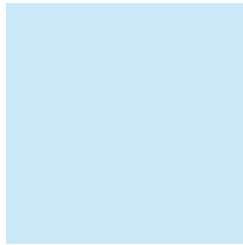
24.2402, 12.1118, 18.5051



2.2962, 1.1422, 1.9832

Previews

White Background



This preview shows how the XYZ color 70.5841, 77.2493, 100.8130 looks on a white background.

Color Contrast Check

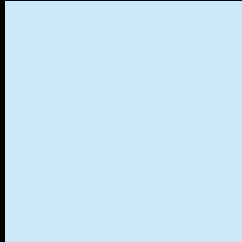
Large Text (above 18pt) WCAG AA × Fail

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 70.5841, 77.2493, 100.8130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

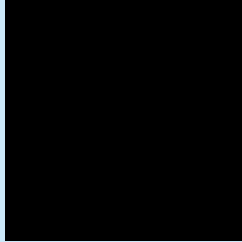
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

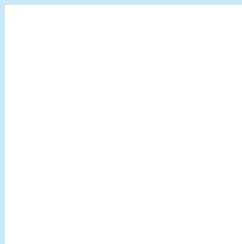
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5841, 77.2493, 100.8130

Background



This preview shows how black text looks on a background with the XYZ color 70.5841, 77.2493, 100.8130.

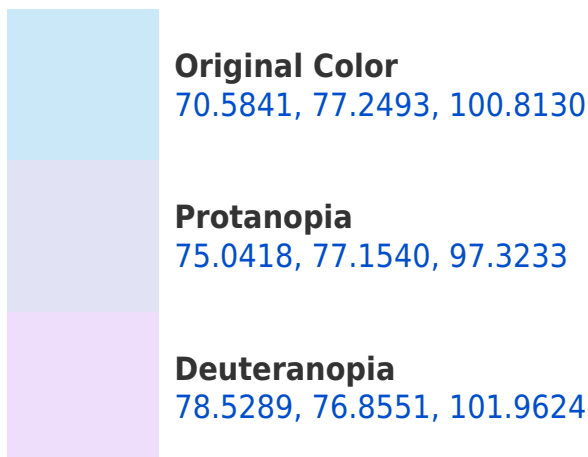


This preview shows how white text looks on a background with the XYZ color 70.5841, 77.2493,

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

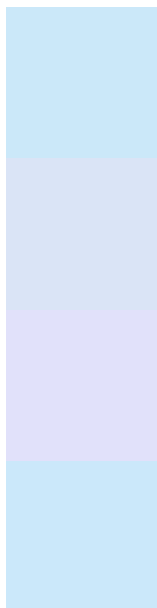




Tritanopia

70.7405, 77.3119, 101.6367

Trichromacy



Original Color

70.5841, 77.2493, 100.8130

Protanomaly

73.2914, 77.0461, 98.1973

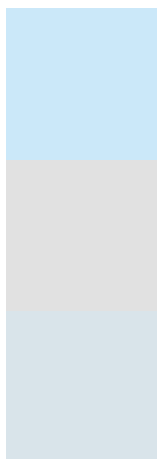
Deuteranomaly

75.2319, 76.7601, 101.2935

Tritanomaly

70.7405, 77.3119, 101.6367

Monochromacy



Original Color

70.5841, 77.2493, 100.8130

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2100, 76.1790, 88.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5841, 77.2493, 100.8130 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, 232, 249)` looks like.

```
.text, #text, p{  
    color:rgb(203, 232, 249)  
}
```

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, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 232, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.5841, 77.2493, 100.8130 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, 232, 249) }
```


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

```
.border{ border-color:rgb(203, 232, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 232, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(203, 232,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5841, 77.2493, 100.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 232, 249) }
```

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

```
.background{ background-color: rgb(203,  
232, 249) }
```

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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