

Converting Colors

XYZ(70.1677, 76.4957,
104.2178)

Have a look what the booklet for
XYZ(70.1677, 76.4957, 104.2178)
contains.

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Color

**XYZ(70.1250, 76.5230,
104.0029)**

Conversions

Conversions Part 1

Format	Color
Hex	C8E7FD
RGB	200, 231, 253
RGB Percent	78%, 91%, 99%
CMY	0.2157, 0.0941, 0.0078
CMYK	0.21, 0.09, 0.00, 0.01
HSL	205°, 93%, 89%
HSV	205°, 21%, 99%
XYZ	70.1250, 76.5230, 104.0029
YIQ	224.2390, -25.5380, 0.2700

Conversions

Conversions Part 2

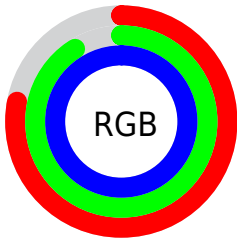
Format	Color
R _Y B	200, 220, 253
Decimal	13166589
CIE Lab	90.10, -5.53, -14.03
CIE LCh	90, 15.084, 248.482
Yxy	76.5230, 0.2798, 0.3053
Android (android.graphics.Color)	4291356669 (0xFFC8E7FD)
YUV	224.2390, 14.1792, -21.2576
Hunter-Lab	87.4774, -9.9936, -9.2564

Details

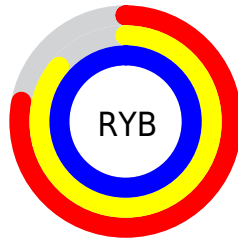
The XYZ color **70.1250, 76.5230, 104.0029** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0555, 77.2958, 65.5038**, and the grayscale version is **70.9391, 74.6335, 81.2759**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9708, 40.6652, 58.1252** is the 20% darker color. If you saturate the color by 10%, you get **61.0681, 67.6228, 102.7636**, and if you desaturate by 10%, it is **80.4809, 86.3585, 105.3568**.

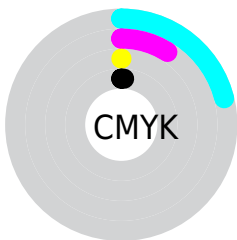
Distribution



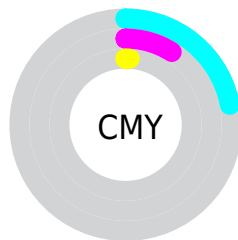
- Red (78%)
- Green (91%)
- Blue (99%)



- Red (78%)
- Yellow (86%)
- Blue (99%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1250, 76.5230, 104.0029 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 70.1250, 76.5230, 104.0029 by changing the saturation by 10% instead.

■ 70.1250, 76.5230,
104.0029

■ 70.1250, 76.5230,
104.0029

450.2483,
483.1361, 594.3075

■ 51.9084, 56.8615,
79.0123

118.4123,
128.4659, 168.7470

■ 37.1561, 40.8940,
58.3845

149.2137,
161.5161, 209.3375

■ 25.5026, 28.2363,
41.7011

184.9408,
199.7980, 255.9651

■ 16.5826, 18.5039,
28.5435

225.9589,
243.6959, 309.0482

■ 10.0308, 11.3123,
18.4932

272.6333,
293.5943, 369.0055

■ 5.4818, 6.2773,
11.1315

325.3295,

■ 2.5703, 3.0144,

349.8775, 436.2554

6.0401

384.4127,
412.9300, 511.2166

■ 0.9308, 1.1393,
2.8003

■ 0.0000, 0.0112,
0.9936

■ 70.1250, 76.5230,
104.0029

■ 70.1250, 76.5230,
104.0029

■ 61.0681, 67.6228,
102.7636

■ 80.4809, 86.3585,
105.3568

■ 53.2452, 59.6141,
101.6301

■ 92.1831, 97.1523,
106.8234

■ 46.5961, 52.4630,
100.6002

■ 94.7299, 99.8719,
107.2141

■ 41.0518, 46.1293,
99.6699

■ 36.5359, 40.5685,
98.8346

■ 32.9609, 35.7304,
98.0892

■ 30.2225, 31.5561,
97.4278

■ 28.3187, 28.2697,
96.8938

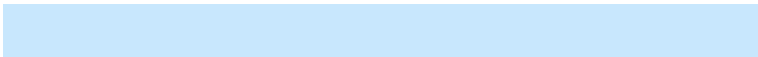
Harmonies

Analogous

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



67.2435, 76.5230, 96.8152



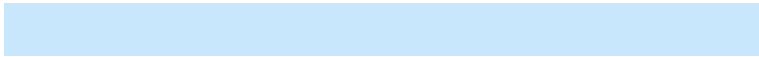
70.1250, 76.5230, 104.0029



73.7995, 76.5230, 105.4132

Triad

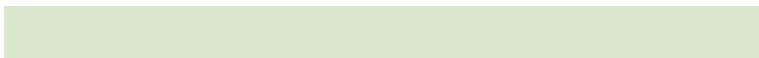
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1250, 76.5230, 104.0029



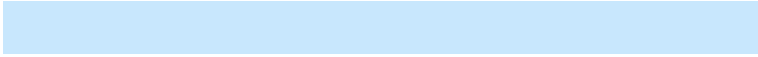
80.0854, 76.5230, 80.3172



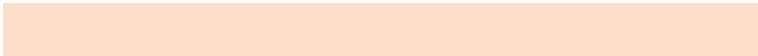
68.3459, 76.5230, 68.2056

Complementary

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



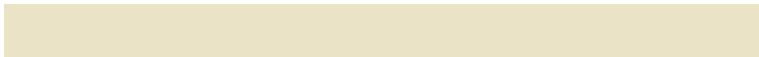
70.1250, 76.5230, 104.0029



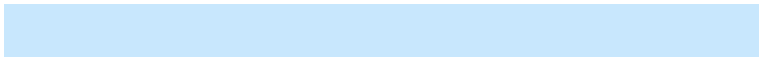
77.0555, 77.2958, 65.5038

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.



71.6765, 76.5230, 64.5528



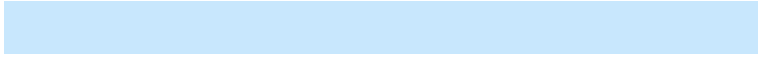
70.1250, 76.5230, 104.0029



78.5130, 76.5230, 71.1420

Square

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



70.1250, 76.5230, 104.0029



79.6353, 76.5230, 91.1111



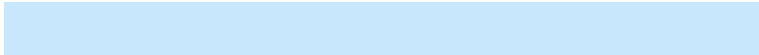
75.4045, 76.5230, 65.5798



66.2411, 76.5230, 75.9872

Rectangle

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



70.1250, 76.5230, 104.0029



76.2190, 76.5230, 102.7810



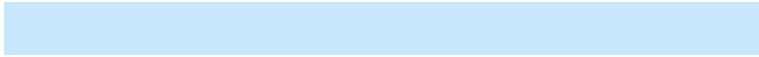
75.4045, 76.5230, 65.5798



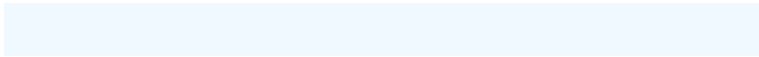
69.3546, 76.5230, 66.4859

Sweetspot

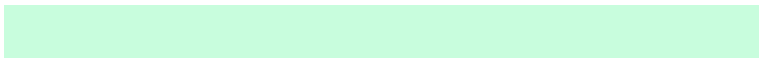
The Sweet Spot groups the original color and five complimentary colors.



70.1273, 76.5261, 104.0046



87.6509, 93.2278, 107.9828



72.0241, 87.7625, 81.6919



18.5951, 19.8015, 23.0919



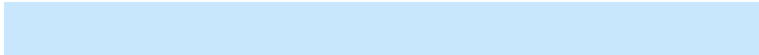
0.0000, 0.0000, 0.0000



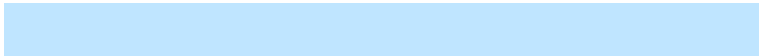
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1273, 76.5261, 104.0046



67.4912, 74.1136, 105.3559



63.4540, 63.1795, 101.7802



17.8860, 19.1435, 23.0023



15.2116, 15.3327, 51.5924



1.5890, 1.7086, 5.0593

Inverse Universe

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



75.5880, 67.9627, 84.7389



74.0042, 64.2623, 82.2963



84.4100, 92.0047, 67.9553



18.4551, 18.1653, 21.0136



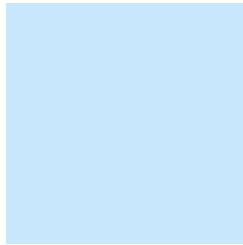
24.4663, 12.2758, 16.3718



2.4366, 1.2170, 1.8808

Previews

White Background



This preview shows how the XYZ color 70.1250, 76.5230, 104.0029 looks on a white background.

Color Contrast Check

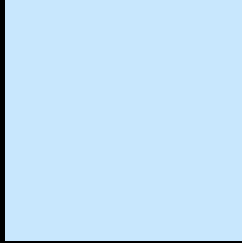
Large Text (above 18pt) WCAG AA × Fail

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 70.1250, 76.5230, 104.0029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

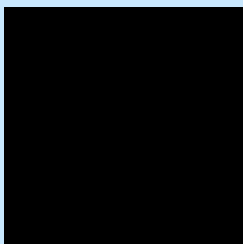
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

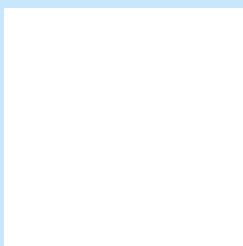
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1250, 76.5230, 104.0029

Background



This preview shows how black text looks on a background with the XYZ color 70.1250, 76.5230, 104.0029.

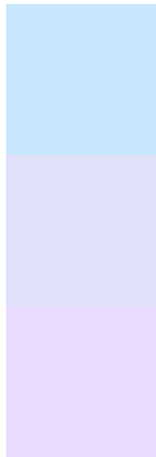


This preview shows how white text looks on a background with the XYZ color 70.1250, 76.5230,

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

70.1250, 76.5230, 104.0029

Protanopia

74.7646, 76.5373, 100.4552

Deuteranopia

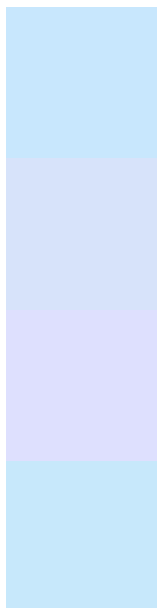
77.9041, 76.0686, 105.1845



Tritanopia

69.6651, 76.7575, 101.5864

Trichromacy



Original Color

70.1250, 76.5230, 104.0029

Protanomaly

72.7487, 76.2874, 101.3331

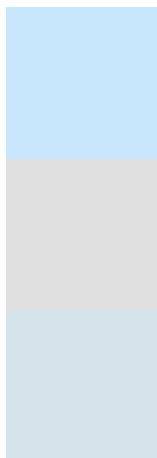
Deuteranomaly

74.6692, 75.9967, 104.4993

Tritanomaly

69.8224, 76.8204, 102.4146

Monochromacy



Original Color

70.1250, 76.5230, 104.0029

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4888, 75.3834, 89.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1250, 76.5230, 104.0029 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, 231, 253)` looks like.

```
.text, #text, p{  
    color:rgb(200, 231, 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(200, 231, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 231, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.1250, 76.5230, 104.0029 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, 231, 253) }
```


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

```
.border{ border-color:rgb(200, 231, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 231, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 231, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 231, 253);  
box-shadow:4px 4px 4px 4px rgb(200, 231,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1250, 76.5230, 104.0029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 231, 253) }
```

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

```
.background{ background-color: rgb(200,  
231, 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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