

Converting Colors

XYZ(76.8188, 78.1783,
139.3439)

Have a look what the booklet for
XYZ(76.8188, 78.1783, 139.3439)
contains.

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Color

**XYZ(70.4264, 75.8152,
105.5297)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE5FF
RGB	202, 229, 255
RGB Percent	79%, 90%, 100%
CMY	0.2078, 0.1019, 0.0000
CMYK	0.21, 0.10, 0.00, 0.00
HSL	209°, 100%, 90%
HSV	209°, 21%, 100%
XYZ	70.4264, 75.8152, 105.5297
YIQ	223.8910, -24.4380, 2.3620

Conversions

Conversions Part 2

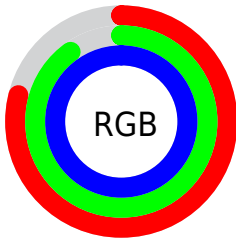
Format	Color
R_{YB}	202, 220, 255
Decimal	13297151
CIE _{Lab}	89.77, -3.47, -15.56
CIE _{LCh}	90, 15.940, 257.420
Yxy	75.8152, 0.2797, 0.3011
Android (android.graphics.Color)	4291487231 (0xFFCAE5FF)
YUV	223.8910, 15.3367, -19.1984
Hunter-Lab	87.0719, -7.9997, -10.9081

Details

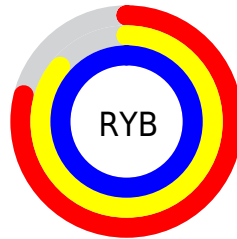
The XYZ color **70.4264, 75.8152, 105.5297** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.6438, 81.0100, 67.3175**, and the grayscale version is **70.6819, 74.3629, 80.9812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3617, 40.5524, 59.2843** is the 20% darker color. If you saturate the color by 10%, you get **60.7518, 65.8756, 104.1210**, and if you desaturate by 10%, it is **81.4945, 86.8472, 107.0757**.

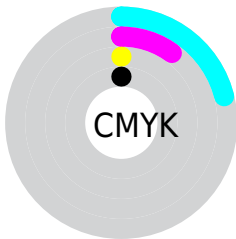
Distribution



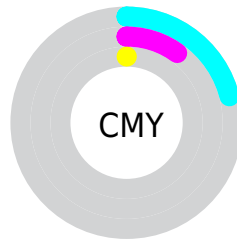
- Red (79%)
- Green (90%)
- Blue (100%)



- Red (79%)
- Yellow (86%)
- Blue (100%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4264, 75.8152, 105.5297 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 70.4264, 75.8152, 105.5297 by changing the saturation by 10% instead.

■ 70.4264, 75.8152,
105.5297

■ 70.4264, 75.8152,
105.5297

451.2889,
480.7149, 599.1771

■ 52.1551, 56.2810,
80.2841

118.8396,
127.4656, 170.8536

■ 37.3535, 40.4283,
59.4246

149.7122,
160.3507, 211.7690

■ 25.6562, 27.8726,
42.5328

185.5159,
198.4548, 258.7447

■ 16.6980, 18.2296,
29.1900

226.6161,
242.1623, 312.1993

■ 10.1133, 11.1150,
18.9778

273.3781,
291.8577, 372.5513

■ 5.5370, 6.1442,
11.4776

326.1674,

■ 2.6036, 2.9330,

347.9253, 440.2192

6.2708

385.3491,
410.7496, 515.6216

■ 0.9478, 1.0968,
2.9390

■ 0.0000, 0.0000,
1.0636

■ 70.4264, 75.8152,
105.5297

■ 70.4264, 75.8152,
105.5297

■ 60.7518, 65.8756,
104.1210

■ 81.4945, 86.8472,
107.0757

■ 52.4033, 56.9802,
102.8441

■ 94.0072, 98.9996,
108.7619

■ 45.3170, 49.0899,
101.6946

■ 95.0500, 100.0000,
108.9000

■ 39.4207, 42.1592,
100.6676

■ 34.6340, 36.1381,
99.7577

■ 30.8655, 30.9705,
98.9589

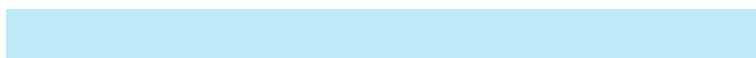
■ 28.0064, 26.5911,
98.2642

■ 26.0224, 23.1647,
97.7075

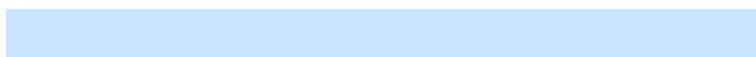
Harmonies

Analogous

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



67.0661, 75.8152, 99.5364



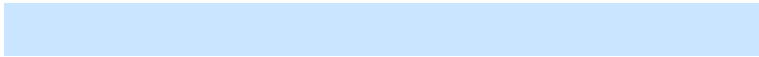
70.4264, 75.8152, 105.5297



74.3466, 75.8152, 104.9734

Triad

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



70.4264, 75.8152, 105.5297



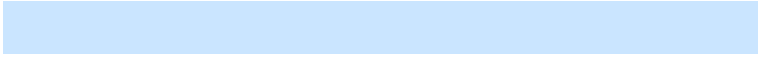
79.5148, 75.8152, 76.2377



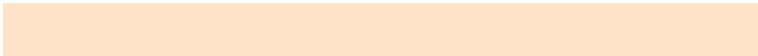
66.6368, 75.8152, 68.7529

Complementary

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



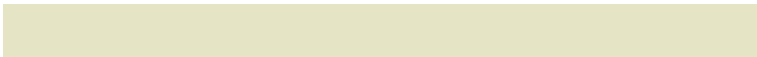
70.4264, 75.8152, 105.5297



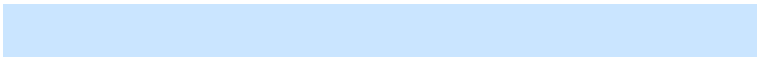
79.6438, 81.0100, 67.3175

Split Complementary

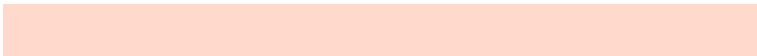
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8209, 75.8152, 63.5712



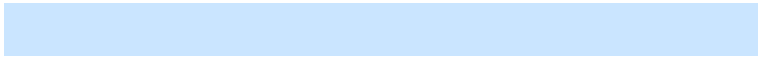
70.4264, 75.8152, 105.5297



77.2960, 75.8152, 67.6150

Square

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



70.4264, 75.8152, 105.5297



79.6914, 75.8152, 87.3547



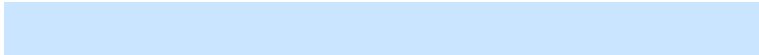
73.7188, 75.8152, 63.1745



64.9322, 75.8152, 77.9245

Rectangle

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



70.4264, 75.8152, 105.5297



76.7511, 75.8152, 100.9622



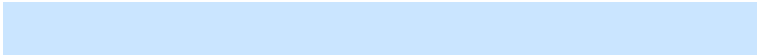
73.7188, 75.8152, 63.1745



67.5642, 75.8152, 66.5243

Sweetspot

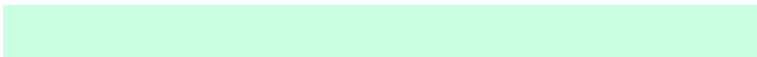
The Sweet Spot groups the original color and five complimentary colors.



70.4285, 75.8182, 105.5301



87.2959, 92.5177, 107.8645



74.0684, 89.6572, 86.5228



18.5111, 19.6336, 23.0640



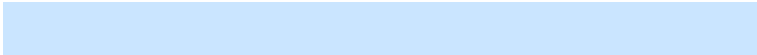
0.0000, 0.0000, 0.0000



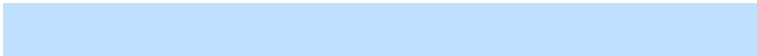
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4285, 75.8182, 105.5301



66.1821, 71.4955, 104.9196



63.7368, 62.4349, 103.2996



17.7682, 18.9079, 22.9631



13.7472, 12.4039, 51.1042



1.4479, 1.4264, 5.0123

Inverse Universe

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



76.5047, 69.1597, 83.4492



73.3434, 63.9980, 78.8169



87.3798, 96.4821, 69.8962



18.3956, 18.1416, 20.7005



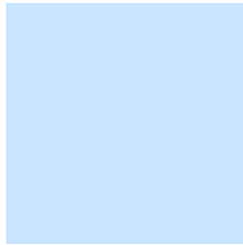
23.7271, 11.9801, 12.4795



2.3654, 1.1885, 1.5057

Previews

White Background



This preview shows how the XYZ color 70.4264, 75.8152, 105.5297 looks on a white background.

Color Contrast Check

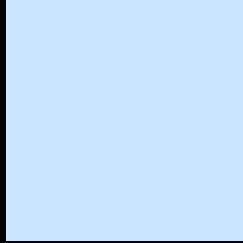
Large Text (above 18pt) WCAG AA × Fail

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 70.4264, 75.8152, 105.5297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

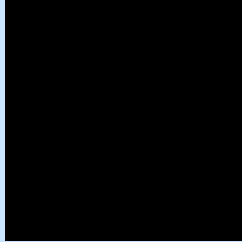
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

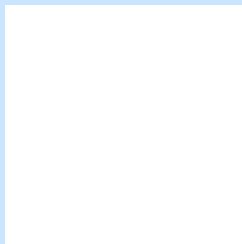
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4264, 75.8152, 105.5297

Background



This preview shows how black text looks on a background with the XYZ color 70.4264, 75.8152, 105.5297.

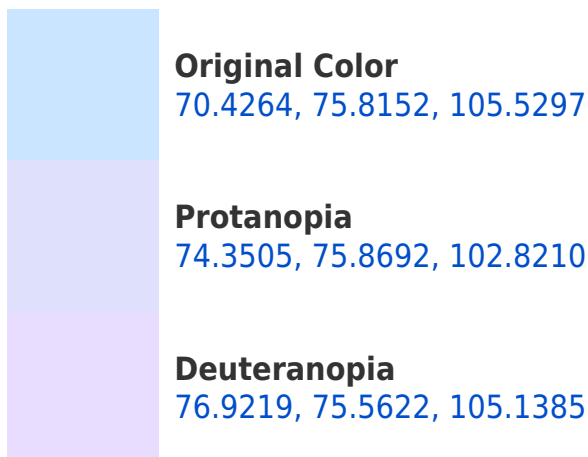


This preview shows how white text looks on a background with the XYZ color 70.4264, 75.8152,

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

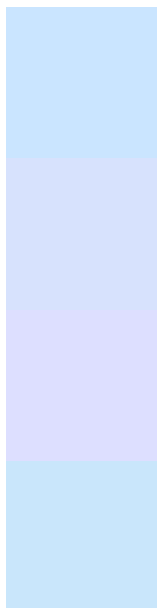




Tritanopia

69.3275, 75.7884, 99.7816

Trichromacy



Original Color

70.4264, 75.8152, 105.5297

Protanomaly

72.9503, 75.9316, 103.7399

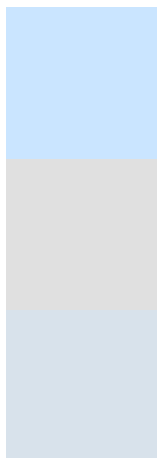
Deuteranomaly

74.2565, 75.3675, 105.2414

Tritanomaly

69.7968, 75.9762, 102.2530

Monochromacy



Original Color

70.4264, 75.8152, 105.5297

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.5107, 74.9898, 89.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4264, 75.8152, 105.5297 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(202, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 229, 255)  
}
```

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(202, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.4264, 75.8152, 105.5297 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(202, 229, 255) }
```


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

```
.border{ border-color:rgb(202, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4264, 75.8152, 105.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 229, 255) }
```

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

```
.background{ background-color: rgb(202,  
229, 255) }
```

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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