

Converting Colors

XYZ(71.0827, 75.3849,
105.4120)

Have a look what the booklet for
XYZ(71.0827, 75.3849, 105.4120)
contains.

XYZ(70.9727, 75.2800, 105.3976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9727, 75.2800,
105.3976)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE3FF
RGB	206, 227, 255
RGB Percent	81%, 89%, 100%
CMY	0.1921, 0.1098, 0.0000
CMYK	0.19, 0.11, 0.00, 0.00
HSL	214°, 100%, 90%
HSV	214°, 19%, 100%
XYZ	70.9727, 75.2800, 105.3976
YIQ	223.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

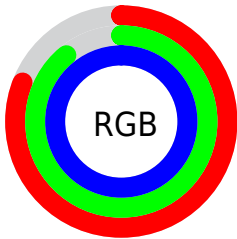
Format	Color
R _Y B	206, 221, 255
Decimal	13558783
CIE Lab	89.52, -1.23, -15.90
CIE LCh	90, 15.952, 265.580
Yxy	75.2800, 0.2820, 0.2991
Android (android.graphics.Color)	4291748863 (0xFFCEE3FF)
YUV	223.9130, 15.3259, -15.7097
Hunter-Lab	86.7640, -5.8247, -11.2884

Details

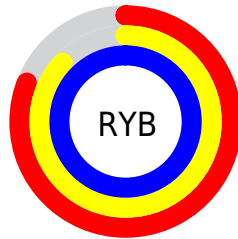
The XYZ color **70.9727, 75.2800, 105.3976** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.8031, 84.5608, 70.4046**, and the grayscale version is **70.6962, 74.3779, 80.9975**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7081, 40.1616, 59.1906** is the 20% darker color. If you saturate the color by 10%, you get **60.6420, 64.2885, 103.8205**, and if you desaturate by 10%, it is **82.7931, 87.5440, 107.1418**.

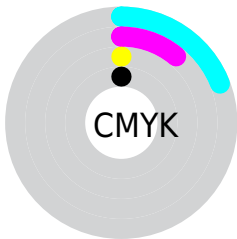
Distribution



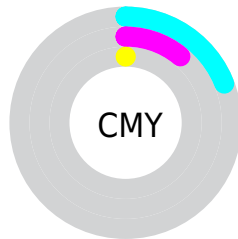
- Red (81%)
- Green (89%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9727, 75.2800, 105.3976 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 70.9727, 75.2800, 105.3976 by changing the saturation by 10% instead.

■ 70.9727, 75.2800,
105.3976

■ 70.9727, 75.2800,
105.3976

453.1713,
478.8794, 598.7566

■ 52.6024, 55.8423,
80.1740

119.6136,
126.7086, 170.6715

■ 37.7116, 40.0765,
59.3345

150.6148,
159.4684, 211.5588

■ 25.9352, 27.5982,
42.4607

186.5571,
197.4376, 258.5045

■ 16.9076, 18.0230,
29.1339

227.8058,
241.0006, 311.9270

■ 10.2635, 10.9665,
18.9357

274.7262,
290.5420, 372.2450

■ 5.6376, 6.0443,
11.4475

327.6837,

■ 2.6646, 2.8720,

346.4459, 439.8768

6.2507

387.0436,
409.0969, 515.2412

■ 0.9790, 1.0653,
2.9269

■ 0.0000, 0.0000,
1.0574

■ 70.9727, 75.2800,
105.3976

■ 70.9727, 75.2800,
105.3976

■ 60.6420, 64.2885,
103.8205

■ 82.7931, 87.5440,
107.1418

■ 51.7314, 54.5154,
102.4037

95.0500, 100.0000,
108.9000

■ 44.1743, 45.9156,
101.1421

■ 37.8962, 38.4372,
100.0295

■ 32.8146, 32.0238,
99.0594

■ 28.8361, 26.6125,
98.2246

■ 25.8511, 22.1314,
97.5170

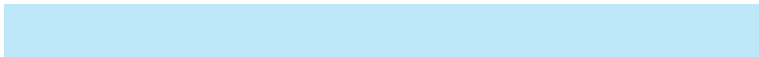
■ 23.6993, 18.4815,
96.9259

■ 23.5510, 18.2220,
96.8837

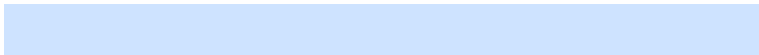
Harmonies

Analogous

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



67.3797, 75.2800, 101.0702



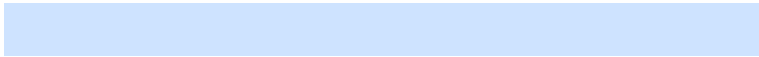
70.9727, 75.2800, 105.3976



74.8513, 75.2800, 102.9931

Triad

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



70.9727, 75.2800, 105.3976



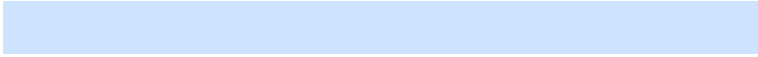
78.5589, 75.2800, 73.0060



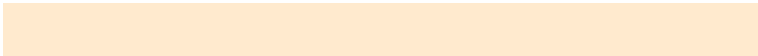
65.5191, 75.2800, 70.3738

Complementary

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



70.9727, 75.2800, 105.3976



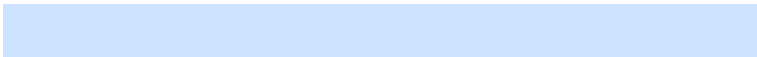
81.8031, 84.5608, 70.4046

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.



68.3499, 75.2800, 64.0172



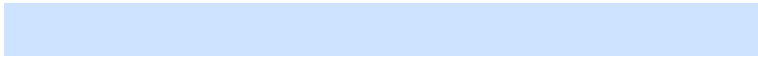
70.9727, 75.2800, 105.3976



75.8918, 75.2800, 65.4369

Square

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



70.9727, 75.2800, 105.3976



79.3229, 75.2800, 83.6402



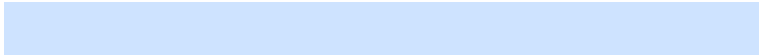
72.1332, 75.2800, 62.2951



64.3048, 75.2800, 80.3165

Rectangle

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



70.9727, 75.2800, 105.3976



77.0641, 75.2800, 98.0029



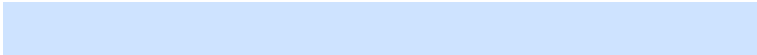
72.1332, 75.2800, 62.2951



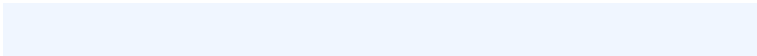
66.3080, 75.2800, 67.7836

Sweetspot

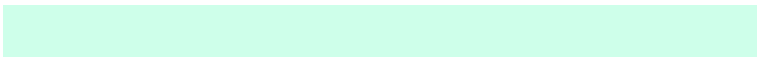
The Sweet Spot groups the original color and five complimentary colors.



70.9747, 75.2830, 105.3980



86.9178, 91.7615, 107.7384



76.0323, 90.5694, 91.1415



18.4218, 19.4550, 23.0342



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.



70.9747, 75.2830, 105.3980



66.8920, 70.9746, 104.7816



66.4927, 64.9585, 103.6414



17.6432, 18.6580, 22.9214



12.4471, 9.8037, 50.6709



1.3178, 1.1662, 4.9689

Inverse Universe

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



77.1777, 70.9502, 82.3036



74.1755, 66.1445, 77.6068



86.9493, 96.6221, 72.4614



18.3326, 18.1163, 20.3684



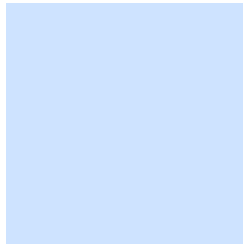
23.0709, 11.7177, 9.0238



2.2997, 1.1623, 1.1599

Previews

White Background



This preview shows how the XYZ color 70.9727, 75.2800, 105.3976 looks on a white background.

Color Contrast Check

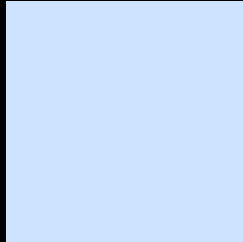
Large Text (above 18pt) WCAG AA × Fail

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 70.9727, 75.2800, 105.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

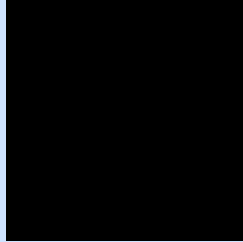
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

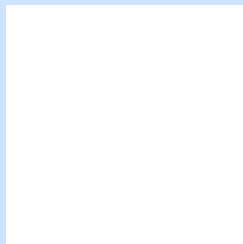
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9727, 75.2800, 105.3976

Background



This preview shows how black text looks on a background with the XYZ color 70.9727, 75.2800, 105.3976.



This preview shows how white text looks on a background with the XYZ color 70.9727, 75.2800,

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

70.9727, 75.2800, 105.3976

Protanopia

73.4736, 75.0193, 102.7032

Deuteranopia

76.3365, 74.8720, 105.0361



Tritanopia

69.4337, 75.0396, 98.8202

Trichromacy



Original Color

70.9727, 75.2800, 105.3976

Protanomaly

72.4096, 74.8502, 103.5596

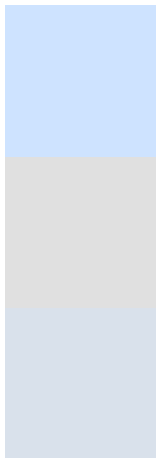
Deuteranomaly

74.2955, 74.9921, 105.1669

Tritanomaly

70.1756, 75.3681, 101.2913

Monochromacy



Original Color

70.9727, 75.2800, 105.3976

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.5359, 74.6003, 89.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9727, 75.2800, 105.3976 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(206, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 227, 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(206, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9727, 75.2800, 105.3976 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(206, 227, 255) }
```


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

```
.border{ border-color:rgb(206, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9727, 75.2800, 105.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 227, 255) }
```

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

```
.background{ background-color: rgb(206,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor