

# Converting Colors

XYZ(70.6515, 75.0985,  
103.4267)

Have a look what the booklet for  
XYZ(70.6515, 75.0985, 103.4267)  
contains.

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# Color

**XYZ(70.6523, 75.1518,  
103.7105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE3FD
RGB	206, 227, 253
RGB Percent	81%, 89%, 99%
CMY	0.1921, 0.1098, 0.0078
CMYK	0.19, 0.10, 0.00, 0.01
HSL	213°, 92%, 90%
HSV	213°, 19%, 99%
XYZ	70.6523, 75.1518, 103.7105
YIQ	223.6850, -20.8620, 3.6340

# Conversions

## Conversions Part 2

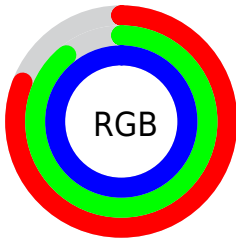
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 221, 253
Decimal	13558781
CIE Lab	89.46, -1.65, -14.95
CIE LCh	89, 15.038, 263.682
Yxy	75.1518, 0.2832, 0.3012
Android (android.graphics.Color)	4291748861 (0xFFCEE3FD)
YUV	223.6850, 14.4523, -15.5097
Hunter-Lab	86.6901, -6.2306, -10.2476

# Details

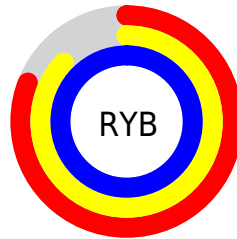
The XYZ color **70.6523, 75.1518, 103.7105** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.5059, 83.0522, 70.1818**, and the grayscale version is **70.5394, 74.2130, 80.8179**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4788, 40.0699, 57.9835** is the 20% darker color. If you saturate the color by 10%, you get **60.5131, 64.4734, 102.1850**, and if you desaturate by 10%, it is **82.2377, 87.0414, 105.3960**.

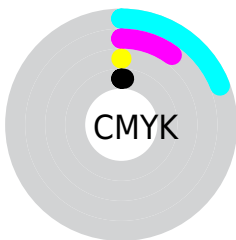
# Distribution



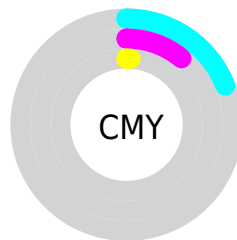
- Red (81%)
- Green (89%)
- Blue (99%)



- Red (81%)
- Yellow (87%)
- Blue (99%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (11%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6523, 75.1518, 103.7105 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 70.6523, 75.1518, 103.7105 by changing the saturation by 10% instead.



■ 70.6523, 75.1518,  
103.7105

■ 70.6523, 75.1518,  
103.7105

452.0678,  
478.4392, 593.3725

■ 52.3400, 55.7373,  
78.7688

119.1597,  
126.5272, 168.3432

■ 37.5015, 39.9923,  
58.1856

150.0856,  
159.2569, 208.8713

■ 25.7715, 27.5325,  
41.5422

185.9466,  
197.1937, 255.4319

■ 16.7846, 17.9736,  
28.4201

227.1083,  
240.7221, 308.4437

■ 10.1754, 10.9310,  
18.4008

273.9359,  
290.2265, 368.3251

■ 5.5785, 6.0205,  
11.0657

326.7947,

■ 2.6287, 2.8575,

346.0911, 435.4946

5.9963

386.0503,  
408.7006, 510.3709

■ 0.9606, 1.0578,  
2.7741

■ 0.0000, 0.0000,  
0.9805

■ 70.6523, 75.1518,  
103.7105

■ 70.6523, 75.1518,  
103.7105

■ 60.5131, 64.4734,  
102.1850

■ 82.2377, 87.0414,  
105.3960

■ 51.7519, 54.9545,  
100.8094

94.7278, 99.8679,  
107.2135

■ 44.3049, 46.5527,  
99.5802

94.7299, 99.8719,  
107.2142

■ 38.1003, 39.2192,  
98.4917

■ 33.0587, 32.9008,  
97.5378

■ 29.0902, 27.5382,  
96.7119

■ 26.0898, 23.0637,  
96.0064

■ 23.9113, 19.3879,  
95.4117

■ 23.6414, 18.9149,  
95.3347

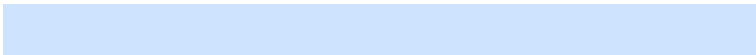
# Harmonies

## Analogous

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



67.3128, 75.1518, 99.3002



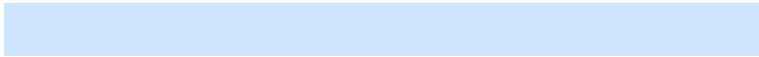
70.6523, 75.1518, 103.7105



74.3149, 75.1518, 101.8636

# Triad

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



70.6523, 75.1518, 103.7105



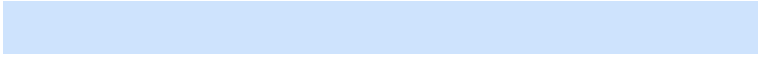
78.1201, 75.1518, 73.9408



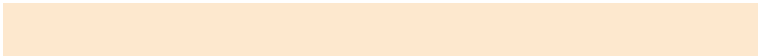
65.8686, 75.1518, 70.3827

# Complementary

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



70.6523, 75.1518, 103.7105



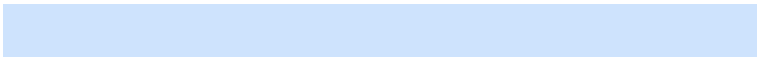
80.5059, 83.0522, 70.1818

# 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.



68.6198, 75.1518, 64.6077



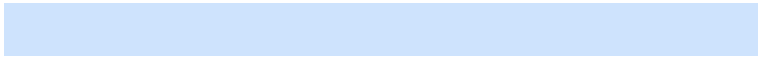
70.6523, 75.1518, 103.7105



75.7108, 75.1518, 66.5351

# Square

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



70.6523, 75.1518, 103.7105



78.7096, 75.1518, 84.0820



72.2124, 75.1518, 63.2620

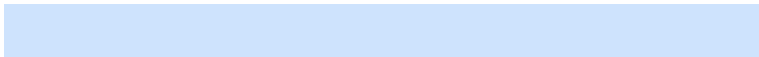


64.6128, 75.1518, 79.6137



# Rectangle

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



70.6523, 75.1518, 103.7105



76.4383, 75.1518, 97.4052



72.2124, 75.1518, 63.2620



66.6445, 75.1518, 68.0061

# Sweetspot

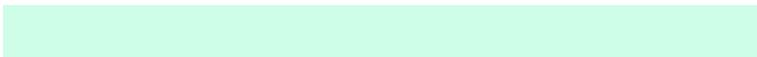
The Sweet Spot groups the original color and five complimentary colors.



70.6546, 75.1549, 103.7122



87.0028, 91.9315, 107.7668



75.1246, 89.1915, 89.4900



18.4419, 19.4951, 23.0409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

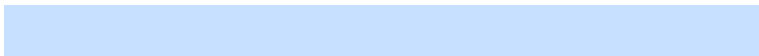


# Same Dimension

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



70.6546, 75.1549, 103.7122



68.2240, 72.6431, 105.0335



65.9135, 64.6969, 101.9435



17.6713, 18.7141, 22.9308



12.7166, 10.3427, 50.7607



1.3452, 1.2211, 4.9781



# Inverse Universe

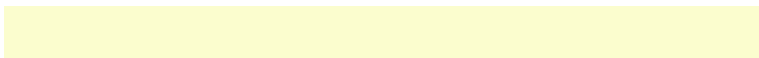
The Inverse Universe completely reimagines the original color for something new.



76.4463, 70.5731, 82.2693



75.0908, 67.4410, 79.5587



85.9249, 95.1524, 72.2317



18.3467, 18.1220, 20.4429



23.2069, 11.7721, 9.7401

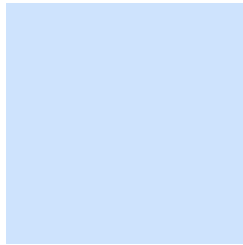


2.3136, 1.1678, 1.2329



# Previews

## White Background



This preview shows how the XYZ color 70.6523, 75.1518, 103.7105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

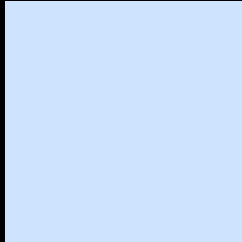
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6523, 75.1518, 103.7105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

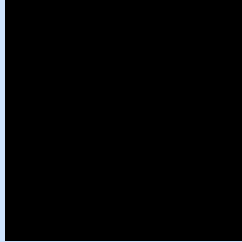
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

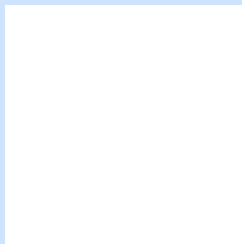
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.6523, 75.1518, 103.7105

## Background



This preview shows how black text looks on a background with the XYZ color 70.6523, 75.1518, 103.7105.



This preview shows how white text looks on a background with the XYZ color 70.6523, 75.1518,



# 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

70.6523, 75.1518, 103.7105

### Protanopia

73.4618, 75.0496, 101.0567

### Deuteranopia

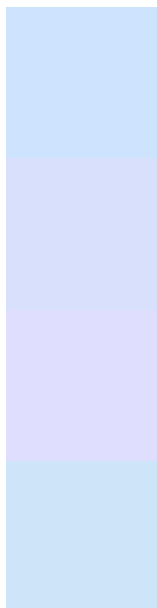
76.6602, 75.0388, 105.0513



## Tritanopia

69.5548, 75.1198, 98.0224

# Trichromacy



## Original Color

70.6523, 75.1518, 103.7105

## Protanomaly

72.3871, 74.8753, 101.9039

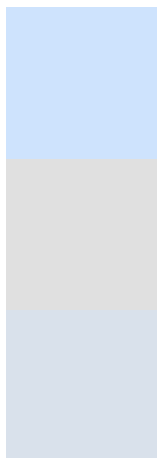
## Deuteranomaly

74.4421, 75.0863, 104.3355

## Tritanomaly

70.0191, 75.3055, 100.4675

# Monochromacy



## Original Color

70.6523, 75.1518, 103.7105

## 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 70.6523, 75.1518, 103.7105 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 227, 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(206, 227, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 227, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6523, 75.1518, 103.7105 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, 253) }
```



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

```
.border{ border-color:rgb(206, 227, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 227, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 227, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 227,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6523, 75.1518, 103.7105 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, 253) }
```

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

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