

# Converting Colors

XYZ(73.5420, 80.3919,  
102.6350)

Have a look what the booklet for  
XYZ(73.5420, 80.3919, 102.6350)  
contains.

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# Color

**XYZ(73.7025, 80.5112,  
102.9225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1ECFB
RGB	209, 236, 251
RGB Percent	82%, 93%, 98%
CMY	0.1804, 0.0745, 0.0157
CMYK	0.17, 0.06, 0.00, 0.02
HSL	201°, 84%, 90%
HSV	201°, 17%, 98%
XYZ	73.7025, 80.5112, 102.9225
YIQ	229.6370, -20.9070, -1.0590

# Conversions

## Conversions Part 2

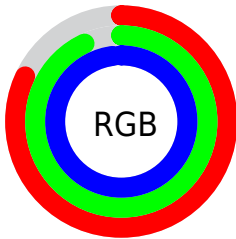
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 225, 251
Decimal	13757691
CIE Lab	91.91, -5.79, -10.22
CIE LCh	92, 11.748, 240.486
Yxy	80.5112, 0.2866, 0.3131
Android (android.graphics.Color)	4291947771 (0xFFD1ECFB)
YUV	229.6370, 10.5320, -18.0986
Hunter-Lab	89.7280, -10.4044, -5.1989

# Details

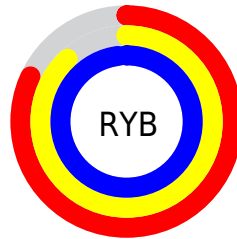
The XYZ color **73.7025, 80.5112, 102.9225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9486, 78.4239, 71.3522**, and the grayscale version is **74.8832, 78.7830, 85.7947**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3853, 43.4076, 57.3416** is the 20% darker color. If you saturate the color by 10%, you get **64.6373, 72.1048, 101.7790**, and if you desaturate by 10%, it is **84.0208, 89.7600, 104.1652**.

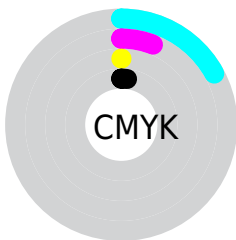
# Distribution



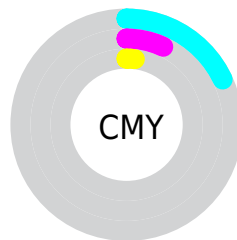
- Red (82%)
- Green (93%)
- Blue (98%)



- Red (82%)
- Yellow (88%)
- Blue (98%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7025, 80.5112, 102.9225 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 73.7025, 80.5112, 102.9225 by changing the saturation by 10% instead.



73.7025, 80.5112,  
102.9225

73.7025, 80.5112,  
102.9225

462.5121,  
496.6539, 590.8489

54.8410, 60.1391,  
78.1130

123.4718,  
134.0842, 167.2544

39.5078, 43.5308,  
57.6498

155.1102,  
168.0539, 207.6139

27.3375, 30.3018,  
41.1144

191.7384,  
207.3250, 253.9938

17.9647, 20.0678,  
28.0881

233.7216,  
252.2817, 306.8128

11.0242, 12.4443,  
18.1525

281.4252,  
303.3086, 366.4892

6.1505, 7.0470,  
10.8889

335.2146,

2.9784, 3.4915,

360.7900, 433.4416

5.8790

395.4551,  
425.1103, 508.0887

■ 1.1423, 1.3934,  
2.7040

■ 0.0601, 0.2119,  
0.9455

■ 73.7025, 80.5112,  
102.9225

■ 73.7025, 80.5112,  
102.9225

■ 64.6373, 72.1048,  
101.7790

■ 84.0208, 89.7600,  
104.1652

■ 56.7638, 64.5000,  
100.7261

■ 94.0724, 99.0643,  
105.4313

■ 50.0262, 57.6675,  
99.7624

■ 94.4128, 99.7451,  
105.5448

■ 44.3608, 51.5714,  
98.8843

■ 39.6973, 46.1725,  
98.0880

■ 35.9562, 41.4268,  
97.3692

■ 33.0446, 37.2831,  
96.7228

■ 30.8455, 33.6781,  
96.1429

■ 30.2235, 32.5865,  
95.9650

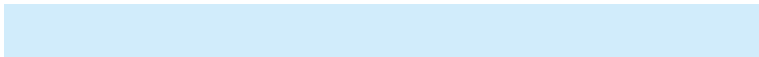
# Harmonies

## Analogous

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



71.6348, 80.5112, 96.3604



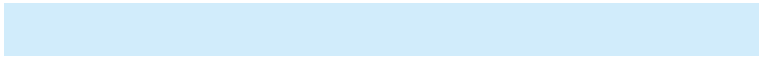
73.7025, 80.5112, 102.9225



76.5727, 80.5112, 105.3386

# Triad

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



73.7025, 80.5112, 102.9225



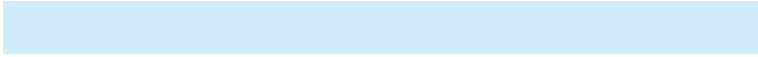
82.4692, 80.5112, 87.5221



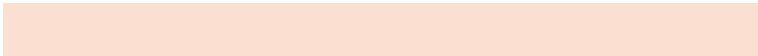
73.6194, 80.5112, 74.1176

# Complementary

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



73.7025, 80.5112, 102.9225



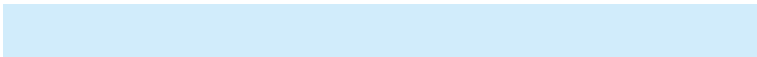
77.9486, 78.4239, 71.3522

# Split Complementary

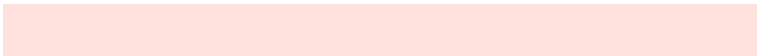
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4743, 80.5112, 72.0843



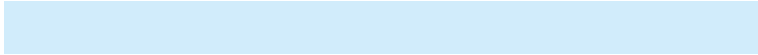
73.7025, 80.5112, 102.9225



81.6296, 80.5112, 79.5054

# Square

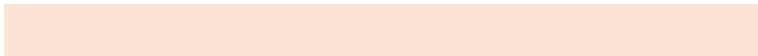
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7025, 80.5112, 102.9225



81.6810, 80.5112, 96.1005



79.4155, 80.5112, 73.9916

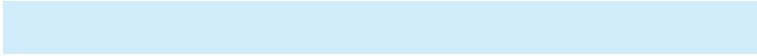


71.5877, 80.5112, 79.7344



# Rectangle

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



73.7025, 80.5112, 102.9225



78.5708, 80.5112, 104.1567



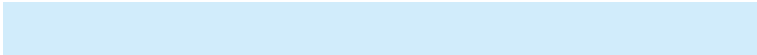
79.4155, 80.5112, 73.9916



74.5121, 80.5112, 73.0095

# Sweetspot

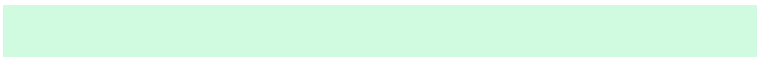
The Sweet Spot groups the original color and five complimentary colors.



73.7049, 80.5145, 102.9243



89.0786, 94.7911, 108.2093



74.2070, 87.9167, 83.3679



18.8927, 20.1364, 23.1409



0.0000, 0.0000, 0.0000

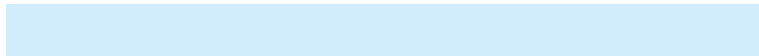


20.3446, 21.4041, 23.3091

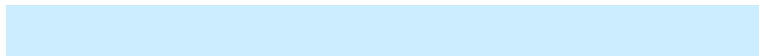


# Same Dimension

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



73.7049, 80.5145, 102.9243



73.1751, 80.5038, 106.2898



68.0855, 69.2758, 101.0512



17.2140, 18.5048, 22.0498



16.0292, 17.4139, 50.4899



1.5847, 1.8130, 4.7096



# Inverse Universe

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



77.7263, 72.1681, 89.1938



78.0882, 70.5478, 89.4609



83.8554, 90.2376, 73.3211



17.7145, 17.4132, 20.3525



24.3828, 12.1688, 19.2561

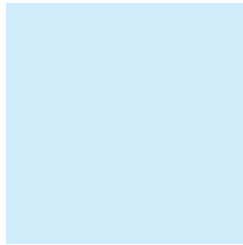


2.3088, 1.1473, 2.0495



# Previews

## White Background



This preview shows how the XYZ color 73.7025, 80.5112, 102.9225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

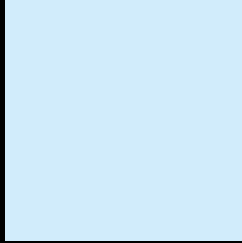
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7025, 80.5112, 102.9225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

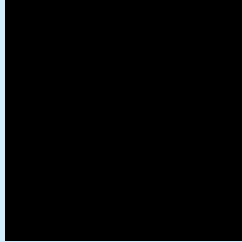
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

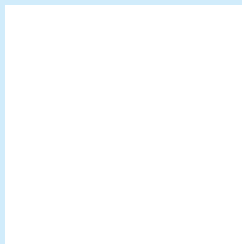
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.7025, 80.5112, 102.9225

## Background



This preview shows how black text looks on a background with the XYZ color 73.7025, 80.5112, 102.9225.



This preview shows how white text looks on a background with the XYZ color 73.7025, 80.5112,



# 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

73.7025, 80.5112, 102.9225

### Protanopia

78.0403, 80.2980, 99.3816

### Deuteranopia

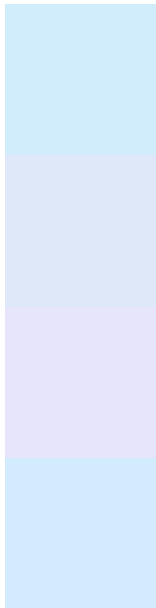
81.9631, 80.1754, 104.0840



## Tritanopia

74.1761, 80.2741, 105.3509

# Trichromacy



## Original Color

73.7025, 80.5112, 102.9225

## Protanomaly

76.2313, 80.1785, 100.2651

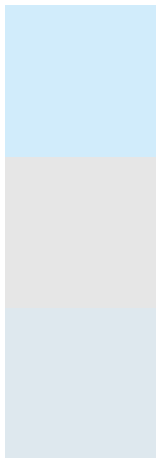
## Deuteranomaly

78.5450, 80.0558, 103.4080

## Tritanomaly

74.0163, 80.2101, 104.5095

# Monochromacy



## Original Color

73.7025, 80.5112, 102.9225

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.4134, 79.4159, 92.2957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7025, 80.5112, 102.9225 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(209, 236, 251)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 251)  
}
```

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(209, 236, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7025, 80.5112, 102.9225 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(209, 236, 251) }
```



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

```
.border{ border-color:rgb(209, 236, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 251);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7025, 80.5112, 102.9225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 251) }
```

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

```
.background{ background-color: rgb(209,  
236, 251) }
```

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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