

# Converting Colors

XYZ(73.4900, 81.0246,  
102.1263)

Have a look what the booklet for  
XYZ(73.4900, 81.0246, 102.1263)  
contains.

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# Color

**XYZ(73.2716, 80.7359,  
102.1642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFEDFA
RGB	207, 237, 250
RGB Percent	81%, 93%, 98%
CMY	0.1882, 0.0706, 0.0196
CMYK	0.17, 0.05, 0.00, 0.02
HSL	198°, 81%, 90%
HSV	198°, 17%, 98%
XYZ	73.2716, 80.7359, 102.1642
YIQ	229.5120, -22.0530, -2.3170

# Conversions

## Conversions Part 2

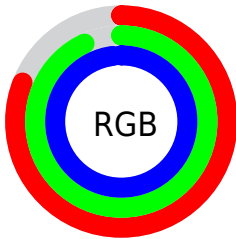
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 225, 250
Decimal	13626874
CIE Lab	92.01, -7.12, -9.57
CIE LCh	92, 11.924, 233.356
Yxy	80.7359, 0.2860, 0.3152
Android (android.graphics.Color)	4291816954 (0xFFCFEDFA)
YUV	229.5120, 10.1006, -19.7430
Hunter-Lab	89.8532, -11.6835, -4.5163

# Details

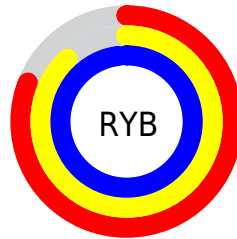
The XYZ color **73.2716, 80.7359, 102.1642** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2806, 76.0152, 69.6850**, and the grayscale version is **74.7947, 78.6899, 85.6933**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2104, 43.6182, 57.3915** is the 20% darker color. If you saturate the color by 10%, you get **64.6911, 73.1348, 101.1506**, and if you desaturate by 10%, it is **83.0549, 89.0981, 103.2639**.

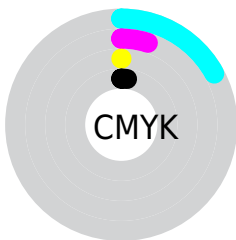
# Distribution



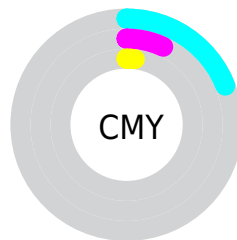
- Red (81%)
- Green (93%)
- Blue (98%)



- Red (81%)
- Yellow (88%)
- Blue (98%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2716, 80.7359, 102.1642 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 73.2716, 80.7359, 102.1642 by changing the saturation by 10% instead.



73.2716, 80.7359,  
102.1642

73.2716, 80.7359,  
102.1642

461.0448,  
497.4094, 588.4151

54.4872, 60.3241,  
77.4823

122.8638,  
134.3999, 166.2059

39.2236, 43.6799,  
57.1348

154.4023,  
168.4209, 206.4027

27.1152, 30.4190,  
40.7034

190.9229,  
207.7470, 252.6082

17.7968, 20.1568,  
27.7695

232.7909,  
252.7628, 305.2409

10.9030, 12.5091,  
17.9144

280.3718,  
303.8525, 364.7194

6.0685, 7.0914,  
10.7198

334.0308,

2.9278, 3.5193,

361.4006, 431.4623

5.7669

394.1334,  
425.7914, 505.8880

■ 1.1157, 1.4085,  
2.6374

■ 0.0382, 0.2230,  
0.9117

■ 73.2716, 80.7359,  
102.1642

■ 73.2716, 80.7359,  
102.1642

■ 64.6911, 73.1348,  
101.1506

■ 83.0549, 89.0981,  
103.2639

■ 57.2533, 66.2559,  
100.2148

■ 93.3429, 97.8569,  
104.4123

■ 50.9033, 60.0713,  
99.3558

■ 94.2556, 99.6822,  
104.7165

■ 45.5787, 54.5471,  
98.5701

■ 41.2102, 49.6459,  
97.8543

■ 37.7196, 45.3253,  
97.2044

■ 35.0148, 41.5363,  
96.6156

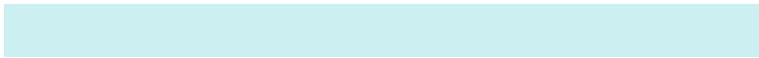
■ 32.9775, 38.2159,  
96.0821

■ 32.4764, 37.3440,  
95.9402

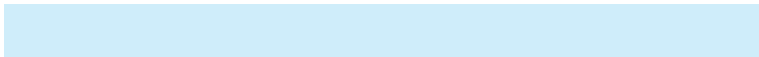
# Harmonies

## Analogous

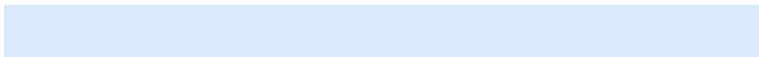
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4504, 80.7359, 94.7734



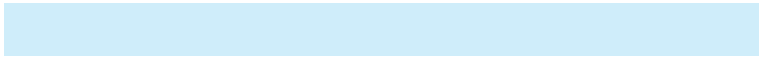
73.2716, 80.7359, 102.1642



76.0569, 80.7359, 105.7694

# Triad

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



73.2716, 80.7359, 102.1642



82.7437, 80.7359, 89.8758



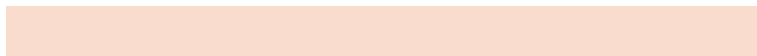
74.4232, 80.7359, 73.2989

# Complementary

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



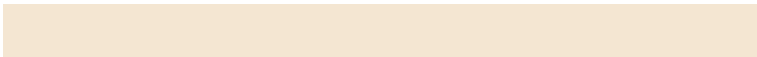
73.2716, 80.7359, 102.1642



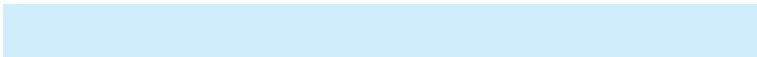
76.2806, 76.0152, 69.6850

# 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.



77.4212, 80.7359, 72.1793



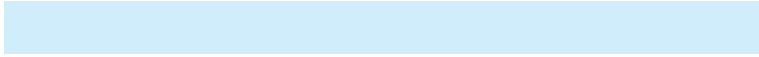
73.2716, 80.7359, 102.1642



82.2782, 80.7359, 81.3818

# Square

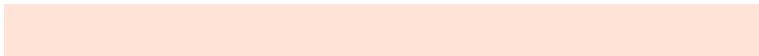
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2716, 80.7359, 102.1642



81.5657, 80.7359, 98.3758



80.3101, 80.7359, 75.0432

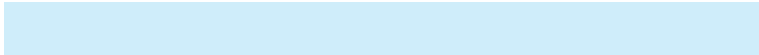


72.1028, 80.7359, 78.2098



# Rectangle

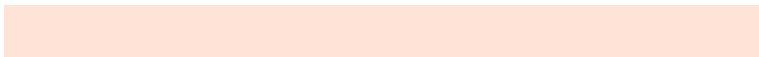
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



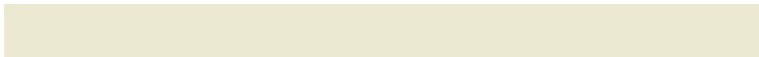
73.2716, 80.7359, 102.1642



78.1072, 80.7359, 105.3815



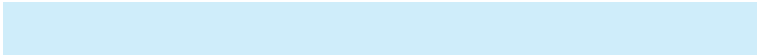
80.3101, 80.7359, 75.0432



75.3831, 80.7359, 72.4808

# Sweetspot

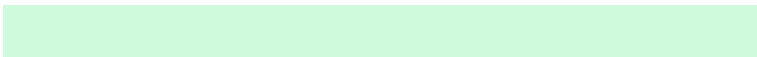
The Sweet Spot groups the original color and five complimentary colors.



73.2740, 80.7392, 102.1660



89.2967, 95.2273, 108.2820



72.8242, 86.8000, 80.5580



18.9458, 20.2426, 23.1586



0.0000, 0.0000, 0.0000

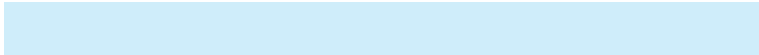


20.3446, 21.4041, 23.3091

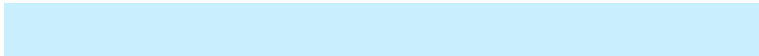


# Same Dimension

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



73.2740, 80.7392, 102.1660



73.0708, 81.3244, 106.4537



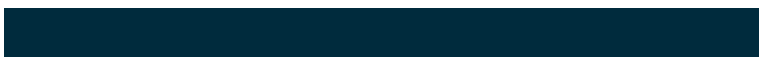
67.4424, 69.0761, 100.2222



17.2971, 18.6710, 22.0775



17.3587, 20.0730, 50.9331



1.7008, 2.0453, 4.7483



# Inverse Universe

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



77.0251, 71.0658, 89.7820



77.7843, 69.4644, 90.8260



82.2620, 87.9781, 71.6788



17.7565, 17.4300, 20.5734



25.0539, 12.4373, 22.7900

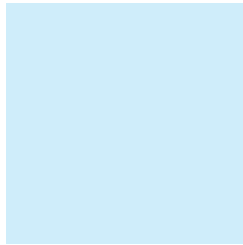


2.3674, 1.1707, 2.3582



# Previews

## White Background



This preview shows how the XYZ color 73.2716, 80.7359, 102.1642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

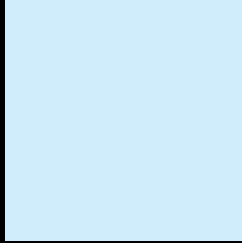
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2716, 80.7359, 102.1642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

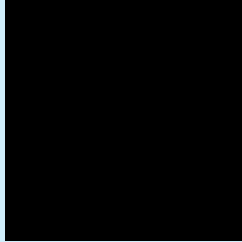
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

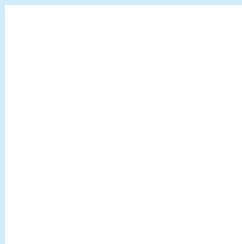
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.2716, 80.7359, 102.1642

## Background



This preview shows how black text looks on a background with the XYZ color 73.2716, 80.7359, 102.1642.



This preview shows how white text looks on a background with the XYZ color 73.2716, 80.7359,



# 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

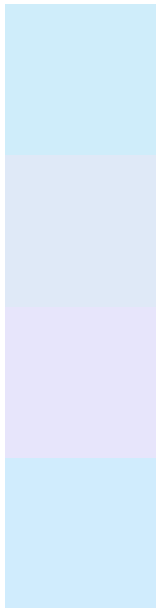




## Tritanopia

74.0579, 80.6208, 106.2658

# Trichromacy



## Original Color

73.2716, 80.7359, 102.1642

## Protanomaly

76.3588, 80.6812, 99.5442

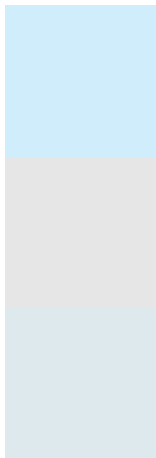
## Deuteranomaly

78.3869, 79.9926, 102.5755

## Tritanomaly

73.7375, 80.4927, 104.5788

# Monochromacy



## Original Color

73.2716, 80.7359, 102.1642

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.5492, 79.9218, 91.6181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2716, 80.7359, 102.1642 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(207, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(207, 237, 250)  
}
```

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(207, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 237, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2716, 80.7359, 102.1642 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(207, 237, 250) }
```



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

```
.border{ border-color:rgb(207, 237, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(207, 237,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2716, 80.7359, 102.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 237, 250) }
```

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

```
.background{ background-color: rgb(207,  
237, 250) }
```

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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