

# Converting Colors

XYZ(69.2189, 73.8624,  
100.4754)

Have a look what the booklet for  
XYZ(69.2189, 73.8624, 100.4754)  
contains.

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# Color

**XYZ(68.9259, 73.5273,  
100.1819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE1F9
RGB	204, 225, 249
RGB Percent	80%, 88%, 98%
CMY	0.2000, 0.1176, 0.0235
CMYK	0.18, 0.10, 0.00, 0.02
HSL	212°, 79%, 89%
HSV	212°, 18%, 98%
XYZ	68.9259, 73.5273, 100.1819
YIQ	221.4570, -20.2200, 3.0120

# Conversions

## Conversions Part 2

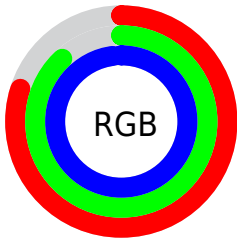
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 218, 249
Decimal	13427193
CIELab	88.70, -2.08, -14.01
CIELCh	89, 14.162, 261.575
Yxy	73.5273, 0.2841, 0.3030
Android (android.graphics.Color)	4291617273 (0xFFCCE1F9)
YUV	221.4570, 13.5787, -15.3098
Hunter-Lab	85.7481, -6.5775, -9.2466

# Details

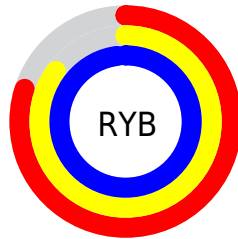
The XYZ color **68.9259, 73.5273, 100.1819** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.7100, 79.9861, 68.4714**, and the grayscale version is **68.9678, 72.5595, 79.0173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3948, 38.9893, 56.0595** is the 20% darker color. If you saturate the color by 10%, you get **59.1882, 63.3857, 98.7388**, and if you desaturate by 10%, it is **80.0382, 84.7958, 101.7724**.

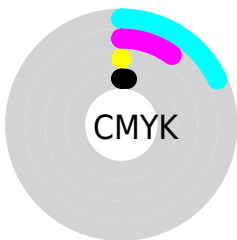
# Distribution



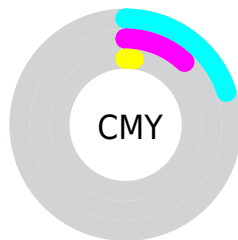
- Red (80%)
- Green (88%)
- Blue (98%)



- Red (80%)
- Yellow (85%)
- Blue (98%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (12%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9259, 73.5273, 100.1819 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 68.9259, 73.5273, 100.1819 by changing the saturation by 10% instead.



■ 68.9259, 73.5273,  
100.1819

■ 68.9259, 73.5273,  
100.1819

446.0950,  
472.8403, 582.0274

■ 50.9278, 54.4072,  
75.8347

116.7104,  
124.2255, 163.4612

■ 36.3720, 38.9273,  
55.7912

147.2275,  
156.5724, 203.2304

■ 24.8930, 26.7032,  
39.6326

182.6482,  
194.0971, 248.9773

■ 16.1257, 17.3504,  
26.9406

223.3381,  
237.1839, 301.1206

■ 9.7045, 10.4847,  
17.2966

269.6623,  
286.2172, 360.0787

■ 5.2643, 5.7215,  
10.2820

321.9863,

■ 2.4395, 2.6765,

341.5815, 426.2701

5.4783

380.6754,  
403.6610, 500.1135

■ 0.8648, 0.9653,  
2.4669

■ 0.0000, 0.0000,  
0.8226

■ 68.9259, 73.5273,  
100.1819

■ 68.9259, 73.5273,  
100.1819

■ 59.1882, 63.3857,  
98.7388

■ 80.0382, 84.7958,  
101.7724

■ 50.7606, 54.3226,  
97.4336

■ 92.5730, 97.2192,  
103.5098

■ 43.5826, 46.2991,  
96.2633

■ 94.0991, 99.6196,  
103.8926

■ 37.5864, 39.2701,  
95.2226

■ 32.6969, 33.1864,  
94.3060

■ 28.8293, 27.9934,  
93.5075

■ 25.8845, 23.6285,  
92.8202

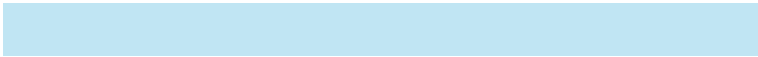
■ 23.7294, 20.0110,  
92.2355

■ 23.3694, 19.3801,  
92.1327

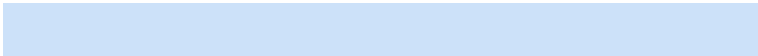
# Harmonies

## Analogous

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



65.8757, 73.5273, 95.7462



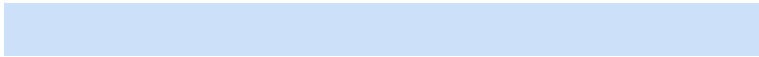
68.9259, 73.5273, 100.1819



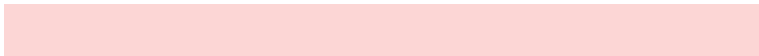
72.3328, 73.5273, 98.8907

# Triad

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



68.9259, 73.5273, 100.1819



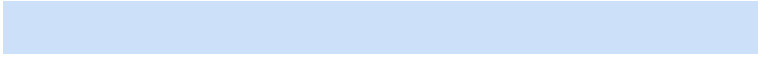
76.1841, 73.5273, 73.3281



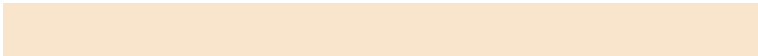
64.8568, 73.5273, 68.9098

# Complementary

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



68.9259, 73.5273, 100.1819



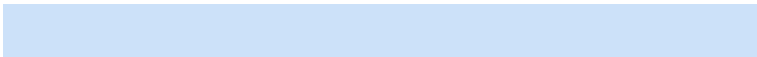
77.7100, 79.9861, 68.4714

# 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.



67.4940, 73.5273, 63.7835



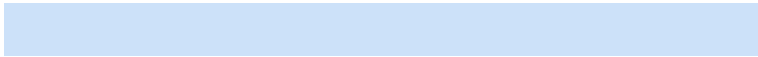
68.9259, 73.5273, 100.1819



74.0548, 73.5273, 66.1858

# Square

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



68.9259, 73.5273, 100.1819



76.5979, 73.5273, 82.8515



70.8540, 73.5273, 62.8286



63.5772, 73.5273, 77.3295



# Rectangle

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



68.9259, 73.5273, 100.1819



74.3430, 73.5273, 94.9982



70.8540, 73.5273, 62.8286



65.6098, 73.5273, 66.7738

# Sweetspot

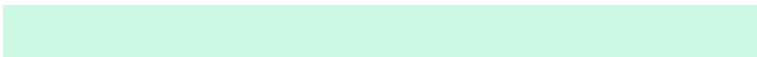
The Sweet Spot groups the original color and five complimentary colors.



68.9281, 73.5303, 100.1836



88.3830, 93.3998, 107.9774



72.6786, 86.1499, 85.6535



18.7236, 19.7982, 23.0845



0.0000, 0.0000, 0.0000

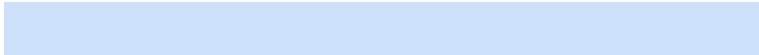


20.3446, 21.4041, 23.3091

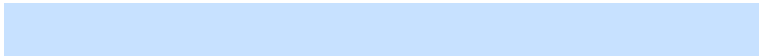


# Same Dimension

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



68.9281, 73.5303, 100.1836



68.5244, 73.2439, 105.1336



63.8012, 62.9705, 98.4155



16.9509, 17.9786, 21.9621



12.6483, 10.6522, 49.3630



1.2764, 1.1966, 4.6069



# Inverse Universe

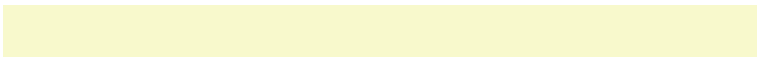
The Inverse Universe completely reimagines the original color for something new.



74.2521, 68.7634, 80.5967



75.2424, 67.5016, 80.3572



83.5761, 92.1144, 70.5033



17.5817, 17.3601, 19.6532



22.6763, 11.4863, 10.2699

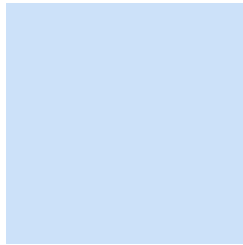


2.1532, 1.0850, 1.2302



# Previews

## White Background



This preview shows how the XYZ color 68.9259, 73.5273, 100.1819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

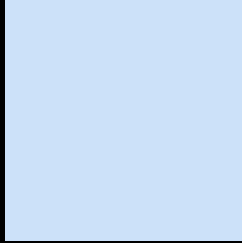
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9259, 73.5273, 100.1819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

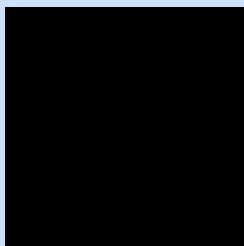
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

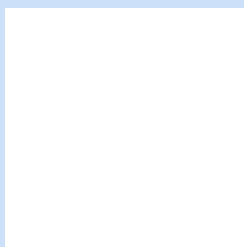
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.9259, 73.5273, 100.1819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.9259, 73.5273, 100.1819.



This preview shows how white text looks on a background with the XYZ color 68.9259, 73.5273,



# 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

68.9259, 73.5273, 100.1819

### Protanopia

71.7044, 73.4268, 97.5823

### Deuteranopia

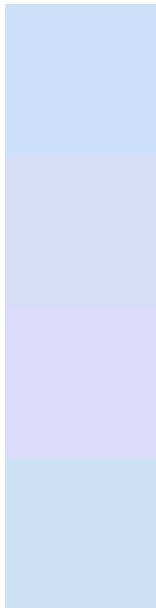
75.1804, 73.5797, 101.5066



## Tritanopia

68.1541, 73.6209, 96.2061

# Trichromacy



**Original Color**

68.9259, 73.5273, 100.1819

**Protanomaly**

70.6413, 73.2541, 98.4119

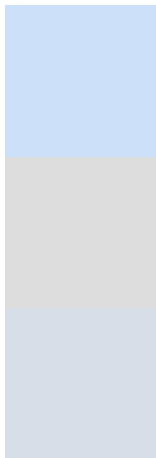
**Deuteranomaly**

72.6673, 73.4607, 100.7918

**Tritanomaly**

68.4595, 73.7430, 97.8144

# Monochromacy



**Original Color**

68.9259, 73.5273, 100.1819

**Achromatopsia**

68.7264, 72.3055, 78.7407

**Achromatomaly**

68.5694, 72.4591, 85.9733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9259, 73.5273, 100.1819 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(204, 225, 249)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 249)  
}
```

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(204, 225, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9259, 73.5273, 100.1819 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(204, 225, 249) }
```



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

```
.border{ border-color:rgb(204, 225, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 249);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9259, 73.5273, 100.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 249) }
```

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

```
.background{ background-color: rgb(204,  
225, 249) }
```

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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