

# Converting Colors

XYZ(73.0354, 77.5417, 93.5660)

Have a look what the booklet for  
XYZ(73.0354, 77.5417, 93.5660)  
contains.

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# Color

**XYZ(72.9609, 77.3900,  
93.5304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE5F0
RGB	219, 229, 240
RGB Percent	86%, 90%, 94%
CMY	0.1412, 0.1019, 0.0588
CMYK	0.09, 0.05, 0.00, 0.06
HSL	211°, 41%, 90%
HSV	211°, 9%, 94%
XYZ	72.9609, 77.3900, 93.5304
YIQ	227.2640, -9.4910, 1.3010

# Conversions

## Conversions Part 2

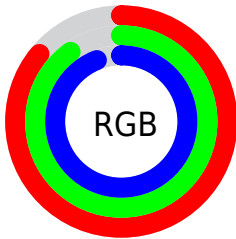
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 226, 240
Decimal	14411248
CIE Lab	90.50, -1.24, -6.50
CIE LCh	91, 6.616, 259.169
Yxy	77.3900, 0.2992, 0.3173
Android (android.graphics.Color)	4292601328 (0xFFDBE5F0)
YUV	227.2640, 6.2788, -7.2475
Hunter-Lab	87.9716, -5.9079, -1.4563

# Details

The XYZ color **72.9609, 77.3900, 93.5304** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0184, 80.2327, 78.4463**, and the grayscale version is **73.1683, 76.9788, 83.8299**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0976, 41.6253, 51.3212** is the 20% darker color. If you saturate the color by 10%, you get **62.9027, 67.2301, 92.1007**, and if you desaturate by 10%, it is **84.3163, 88.5966, 95.0962**.

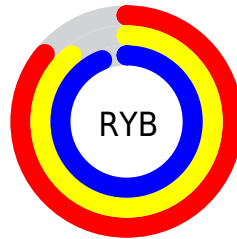
# Distribution



Red (86%)

Green (90%)

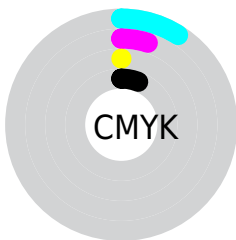
Blue (94%)



Red (86%)

Yellow (89%)

Blue (94%)

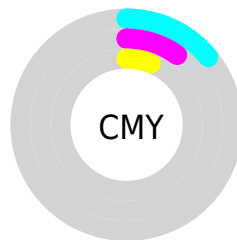


Cyan (9%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (10%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9609, 77.3900, 93.5304 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 72.9609, 77.3900, 93.5304 by changing the saturation by 10% instead.



■ 72.9609, 77.3900,  
93.5304

■ 72.9609, 77.3900,  
93.5304

459.9852,  
486.0927, 560.3131

■ 54.2323, 57.5730,  
70.3223

122.4251,  
129.6899, 154.2108

■ 39.0188, 41.4655,  
51.3109

153.8914,  
162.9415, 192.5202

■ 26.9551, 28.6830,  
36.0777

190.3343,  
201.4402, 236.7004

■ 17.6759, 18.8411,  
24.2040

232.1192,  
245.5703, 287.1700

■ 10.8159, 11.5555,  
15.2714

279.6113,  
295.7162, 344.3475

■ 6.0095, 6.4418,  
8.8614

333.1761,

■ 2.8916, 3.1155,

352.2623, 408.6516

4.5553

393.1790,  
415.5930, 480.5006

■ 1.0967, 1.1924,  
1.9347

■ 0.0223, 0.0554,  
0.5147

■ 72.9609, 77.3900,  
93.5304

■ 72.9609, 77.3900,  
93.5304

■ 62.9027, 67.2301,  
92.1007

■ 84.3163, 88.5966,  
95.0962

■ 54.0854, 58.0736,  
90.7980

■ 92.4547, 98.5240,  
96.5834

■ 46.4582, 49.8884,  
89.6201

■ 92.7284, 99.0714,  
96.6747

■ 39.9641, 42.6367,  
88.5627

■ 34.5409, 36.2777,  
87.6211

■ 30.1199, 30.7668,  
86.7904

■ 26.6235, 26.0547,  
86.0651

■ 23.9605, 22.0845,  
85.4392

■ 21.9996, 18.7781,  
84.9043

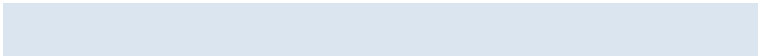
# Harmonies

## Analogous

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



71.4971, 77.3900, 91.3455



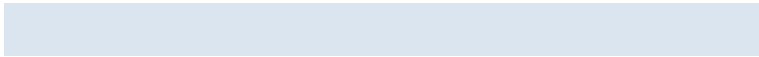
72.9609, 77.3900, 93.5304



74.6061, 77.3900, 93.1634

# Triad

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



72.9609, 77.3900, 93.5304



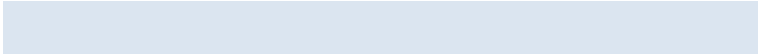
76.6018, 77.3900, 81.3092



71.1768, 77.3900, 78.4488

# Complementary

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



72.9609, 77.3900, 93.5304



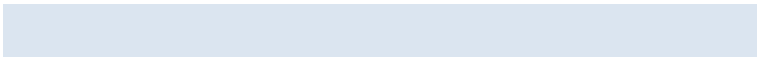
77.0184, 80.2327, 78.4463

# 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.



72.5176, 77.3900, 75.9512



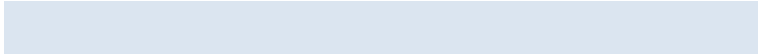
72.9609, 77.3900, 93.5304



75.6558, 77.3900, 77.5594

# Square

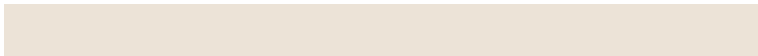
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9609, 77.3900, 93.5304



76.7248, 77.3900, 85.9876



74.1561, 77.3900, 75.6318

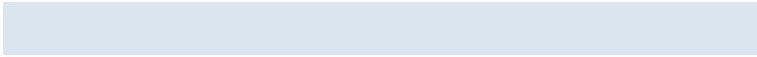


70.4773, 77.3900, 82.5647



# Rectangle

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



72.9609, 77.3900, 93.5304



75.5839, 77.3900, 91.5248



74.1561, 77.3900, 75.6318



71.5665, 77.3900, 77.3988

# Sweetspot

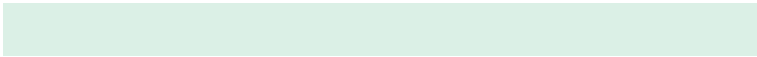
The Sweet Spot groups the original color and five complimentary colors.



72.9632, 77.3933, 93.5321



91.0267, 96.0486, 108.3493



74.6366, 83.0863, 86.8573



19.2583, 20.3363, 23.1602



0.0000, 0.0000, 0.0000

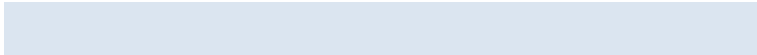


20.3446, 21.4041, 23.3091

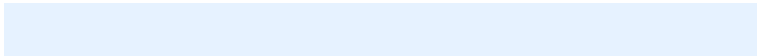


# Same Dimension

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



72.9632, 77.3933, 93.5321



82.1701, 87.2548, 107.1188



70.3798, 72.0701, 92.6408



15.5184, 16.4709, 20.0829



12.0554, 10.3350, 46.4873



1.1019, 1.0578, 3.9003



# Inverse Universe

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



75.4113, 74.8470, 84.6049



85.3719, 83.9653, 95.4342



79.7640, 85.9000, 79.3955



16.0863, 15.8843, 18.0109



21.4106, 10.8367, 10.0788

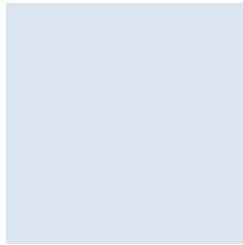


1.8311, 0.9215, 1.1016



# Previews

## White Background



This preview shows how the XYZ color 72.9609, 77.3900, 93.5304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

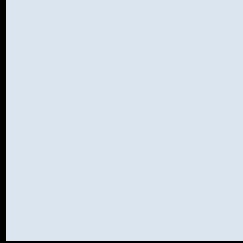
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9609, 77.3900, 93.5304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

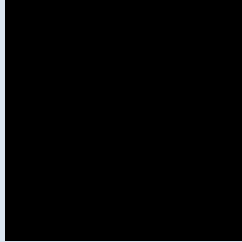
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

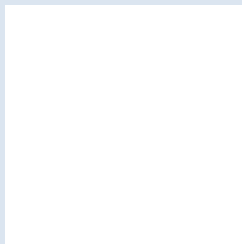
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.9609, 77.3900, 93.5304

## Background



This preview shows how black text looks on a background with the XYZ color 72.9609, 77.3900, 93.5304.



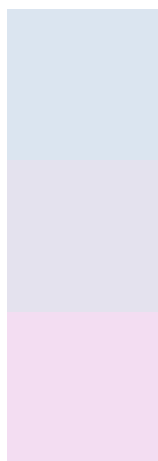
This preview shows how white text looks on a background with the XYZ color 72.9609, 77.3900,

93.5304.

# 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

72.9609, 77.3900, 93.5304

### Protanopia

74.6239, 77.0597, 91.8298

### Deuteranopia

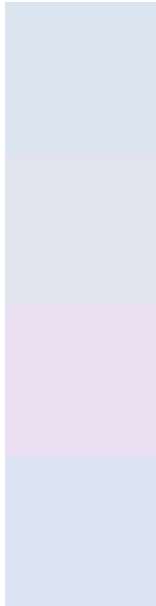
78.8456, 77.1784, 94.7457



## **Tritanopia**

73.8932, 77.3563, 98.2254

# Trichromacy



## Original Color

72.9609, 77.3900, 93.5304

## Protanomaly

74.1004, 77.1777, 92.6526

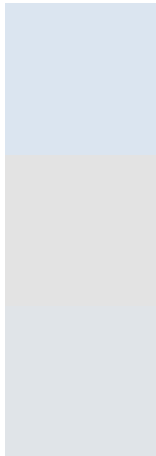
## Deuteranomaly

76.4645, 77.1546, 94.0813

## Tritanomaly

73.5877, 77.2341, 96.6171

# Monochromacy



## Original Color

72.9609, 77.3900, 93.5304

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.0494, 77.1603, 87.3872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9609, 77.3900, 93.5304 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(219, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(219, 229, 240)  
}
```

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(219, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 229, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9609, 77.3900, 93.5304 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(219, 229, 240) }
```



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

```
.border{ border-color:rgb(219, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 229,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9609, 77.3900, 93.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 229, 240) }
```

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

```
.background{ background-color: rgb(219,  
229, 240) }
```

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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