

# Converting Colors

XYZ(72.0918, 76.3034, 95.0822)

Have a look what the booklet for  
XYZ(72.0918, 76.3034, 95.0822)  
contains.

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# Color

**XYZ(72.0893, 76.4965,  
94.9702)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8E4F2
RGB	216, 228, 242
RGB Percent	85%, 89%, 95%
CMY	0.1529, 0.1059, 0.0510
CMYK	0.11, 0.06, 0.00, 0.05
HSL	212°, 50%, 90%
HSV	212°, 11%, 95%
XYZ	72.0893, 76.4965, 94.9702
YIQ	226.0080, -11.6460, 1.8100

# Conversions

## Conversions Part 2

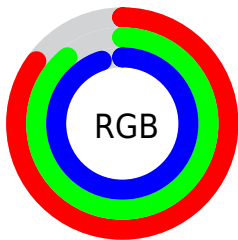
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 224, 242
Decimal	14214386
CIE Lab	90.09, -1.30, -8.18
CIE LCh	90, 8.280, 260.968
Yxy	76.4965, 0.2960, 0.3141
Android (android.graphics.Color)	4292404466 (0xFFD8E4F2)
YUV	226.0080, 7.8841, -8.7770
Hunter-Lab	87.4623, -5.9334, -3.1560

# Details

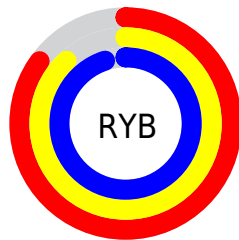
The XYZ color **72.0893, 76.4965, 94.9702** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3098, 80.4283, 76.4167**, and the grayscale version is **72.2472, 76.0097, 82.7745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5044, 41.0094, 52.3406** is the 20% darker color. If you saturate the color by 10%, you get **62.0100, 66.1807, 93.5115**, and if you desaturate by 10%, it is **83.4962, 87.9017, 96.5716**.

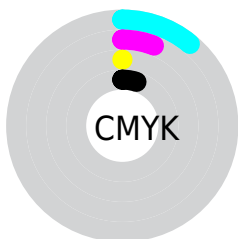
# Distribution



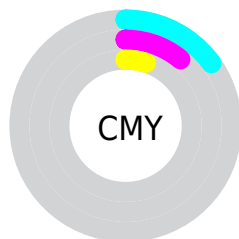
- Red (85%)
- Green (89%)
- Blue (95%)



- Red (85%)
- Yellow (88%)
- Blue (95%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (11%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0893, 76.4965, 94.9702 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 72.0893, 76.4965, 94.9702 by changing the saturation by 10% instead.



■ 72.0893, 76.4965,  
94.9702

■ 72.0893, 76.4965,  
94.9702

457.0052,  
483.0456, 565.0515

■ 53.5174, 56.8397,  
71.5134

121.1936,  
128.4285, 156.2187

■ 38.4451, 40.8766,  
52.2769

152.4567,  
161.4725, 194.8474

■ 26.5071, 28.2227,  
36.8421

188.6808,  
199.7477, 239.3706

■ 17.3380, 18.4936,  
24.7904

230.2314,  
243.6385, 290.2067

■ 10.5726, 11.3049,  
15.7034

277.4737,  
293.5293, 347.7743

■ 5.8454, 6.2723,  
9.1624

330.7733,

■ 2.7911, 3.0114,

349.8045, 412.4920

4.7490

390.4953,  
412.8485, 484.7782

■ 1.0443, 1.1377,  
2.0446

■ 0.0000, 0.0099,  
0.5825

■ 72.0893, 76.4965,  
94.9702

■ 72.0893, 76.4965,  
94.9702

■ 62.0100, 66.1807,  
93.5115

■ 83.4962, 87.9017,  
96.5716

■ 53.1996, 56.9093,  
92.1863

■ 92.7284, 98.5931,  
98.1487

■ 45.6053, 48.6478,  
90.9919

■ 93.0272, 99.1909,  
98.2483

■ 39.1671, 41.3560,  
89.9238

■ 33.8200, 34.9905,  
88.9770

■ 29.4917, 29.5039,  
88.1461

■ 26.0999, 24.8431,  
87.4252

■ 23.5474, 20.9467,  
86.8077

■ 21.7909, 17.9381,  
86.3195

# Harmonies

## Analogous

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



70.2485, 76.4965, 92.3913



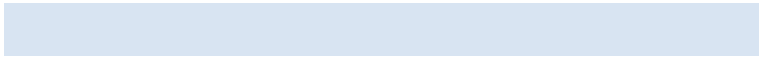
72.0893, 76.4965, 94.9702



74.1302, 76.4965, 94.3073

# Triad

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



72.0893, 76.4965, 94.9702



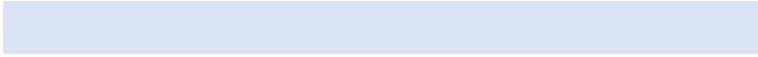
76.4586, 76.4965, 79.3091



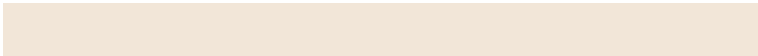
69.6824, 76.4965, 76.3691

# Complementary

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



72.0893, 76.4965, 94.9702



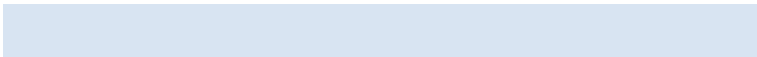
77.3098, 80.4283, 76.4167

# 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.



71.3034, 76.4965, 73.1691



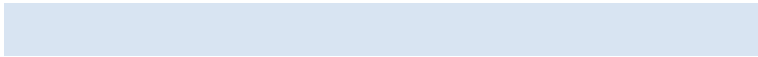
72.0893, 76.4965, 94.9702



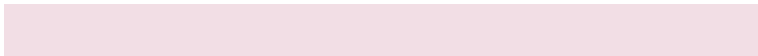
75.2235, 76.4965, 74.8101

# Square

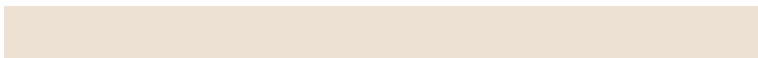
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0893, 76.4965, 94.9702



76.6786, 76.4965, 85.0802



73.3295, 76.4965, 72.6121



68.8762, 76.4965, 81.5284



# Rectangle

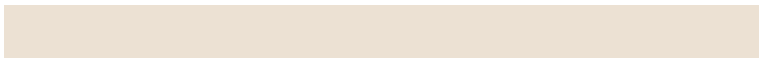
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0893, 76.4965, 94.9702



75.3281, 76.4965, 92.1284



73.3295, 76.4965, 72.6121



70.1486, 76.4965, 75.0389

# Sweetspot

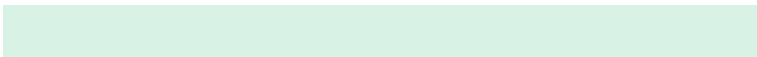
The Sweet Spot groups the original color and five complimentary colors.



72.0915, 76.4997, 94.9719



90.9916, 95.9783, 108.3376



74.3366, 83.8102, 87.0251



19.2488, 20.3174, 23.1571



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

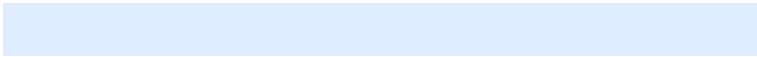


# Same Dimension

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



72.0915, 76.4997, 94.9719



78.4571, 83.3835, 106.5672



69.1599, 70.2553, 93.9211



15.4986, 16.4314, 20.0763



11.8396, 9.9034, 46.4154



1.0834, 1.0208, 3.8942



# Inverse Universe

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



75.1792, 73.5920, 83.6447



82.6300, 79.5463, 91.2377



80.4692, 87.1877, 77.5549



16.0764, 15.8803, 17.9584



21.3017, 10.7931, 9.5052

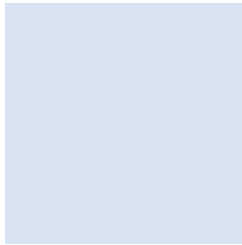


1.8218, 0.9178, 1.0525



# Previews

## White Background



This preview shows how the XYZ color 72.0893, 76.4965, 94.9702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

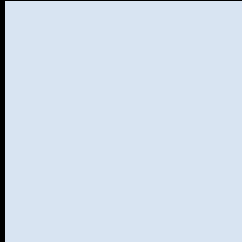
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0893, 76.4965, 94.9702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

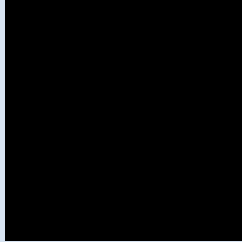
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

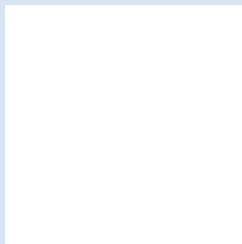
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0893, 76.4965, 94.9702**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0893, 76.4965, 94.9702.



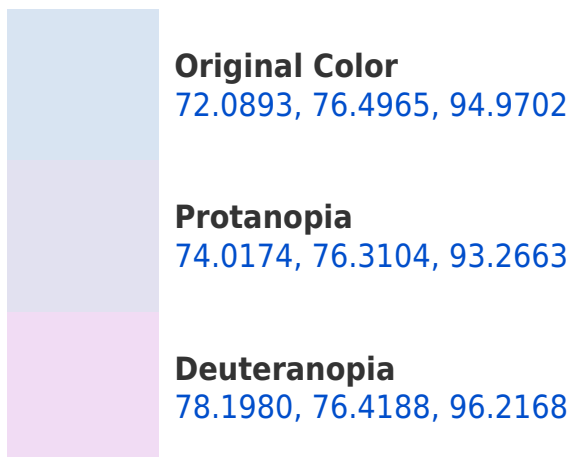
This preview shows how white text looks on a background with the XYZ color 72.0893, 76.4965,

94.9702.

# 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

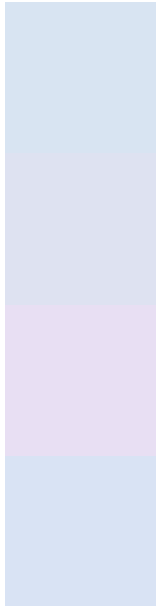




## Tritanopia

72.5658, 76.2825, 97.2856

# Trichromacy



## Original Color

72.0893, 76.4965, 94.9702

## Protanomaly

73.1977, 76.2732, 94.0834

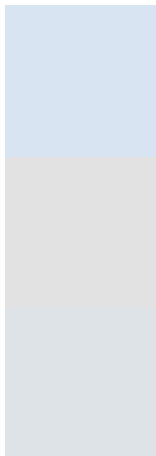
## Deuteranomaly

75.8440, 76.4022, 95.5437

## Tritanomaly

72.4135, 76.2215, 96.4836

# Monochromacy



## Original Color

72.0893, 76.4965, 94.9702

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.1588, 76.2940, 87.2670

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0893, 76.4965, 94.9702 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(216, 228, 242) looks like.

```
.text, #text, p{  
    color:rgb(216, 228, 242)  
}
```

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(216, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 228, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0893, 76.4965, 94.9702 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(216, 228, 242) }
```



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

```
.border{ border-color:rgb(216, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 228,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0893, 76.4965, 94.9702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 228, 242) }
```

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

```
.background{ background-color: rgb(216,  
228, 242) }
```

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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