

# Converting Colors

XYZ(72.9771, 78.3704, 97.4705)

Have a look what the booklet for  
XYZ(72.9771, 78.3704, 97.4705)  
contains.

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# Color

**XYZ(73.0696, 78.6019,  
97.7067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E8F5
RGB	214, 232, 245
RGB Percent	84%, 91%, 96%
CMY	0.1608, 0.0902, 0.0392
CMYK	0.13, 0.05, 0.00, 0.04
HSL	205°, 61%, 90%
HSV	205°, 13%, 96%
XYZ	73.0696, 78.6019, 97.7067
YIQ	228.1000, -14.9010, 0.2270

# Conversions

## Conversions Part 2

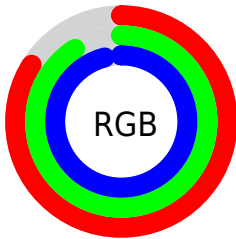
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 225, 245
Decimal	14084341
CIE Lab	91.05, -3.40, -8.33
CIE LCh	91, 9.000, 247.805
Yxy	78.6019, 0.2930, 0.3152
Android (android.graphics.Color)	4292274421 (0xFFD6E8F5)
YUV	228.1000, 8.3317, -12.3657
Hunter-Lab	88.6577, -8.0355, -3.2811

# Details

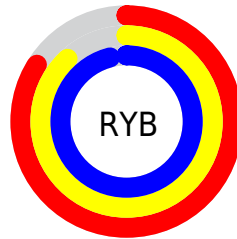
The XYZ color **73.0696, 78.6019, 97.7067** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2634, 79.2055, 74.8358**, and the grayscale version is **73.7666, 77.6082, 84.5154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0087, 42.0957, 54.2134** is the 20% darker color. If you saturate the color by 10%, you get **63.6432, 69.5767, 96.4627**, and if you desaturate by 10%, it is **83.7451, 88.5261, 99.0608**.

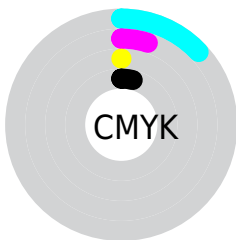
# Distribution



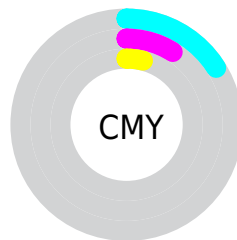
- Red (84%)
- Green (91%)
- Blue (96%)



- Red (84%)
- Yellow (88%)
- Blue (96%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0696, 78.6019, 97.7067 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 73.0696, 78.6019, 97.7067 by changing the saturation by 10% instead.



■ 73.0696, 78.6019,  
97.7067

■ 73.0696, 78.6019,  
97.7067

460.3561,  
490.2086, 573.9986

■ 54.3215, 58.5686,  
73.7805

122.5786,  
131.3983, 160.0264

■ 39.0904, 42.2659,  
54.1187

154.0702,  
164.9301, 199.2569

■ 27.0111, 29.3096,  
38.3028

190.5403,  
203.7302, 244.4260

■ 17.7182, 19.3151,  
25.9141

232.3543,  
248.1829, 295.9522

■ 10.8463, 11.8982,  
16.5342

279.8775,  
298.6727, 354.2540

■ 6.0301, 6.6744,  
9.7445

333.4753,

■ 2.9042, 3.2593,

355.5840, 419.7500

5.1265

393.5130,  
419.3012, 492.8587

■ 1.1033, 1.2686,  
2.2616

■ 0.0279, 0.1167,  
0.7096

■ 73.0696, 78.6019,  
97.7067

■ 73.0696, 78.6019,  
97.7067

■ 63.6432, 69.5767,  
96.4627

■ 83.7451, 88.5261,  
99.0608

■ 55.4082, 61.4103,  
95.3205

■ 92.7046, 97.8185,  
100.3822

■ 48.3125, 54.0735,  
94.2783

■ 93.4817, 99.3727,  
100.6413

■ 42.2972, 47.5315,  
93.3326

■ 37.2976, 41.7463,  
92.4795

■ 33.2415, 36.6759,  
91.7146

■ 30.0457, 32.2727,  
91.0331

■ 27.6105, 28.4799,  
90.4294

■ 26.1969, 26.0231,  
90.0297

# Harmonies

## Analogous

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



71.3079, 78.6019, 93.4896



73.0696, 78.6019, 97.7067



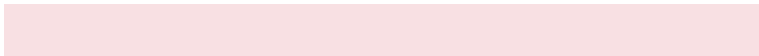
75.3040, 78.6019, 98.5959

# Triad

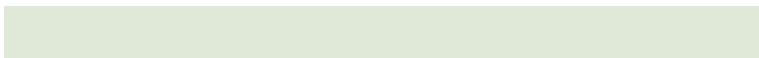
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0696, 78.6019, 97.7067



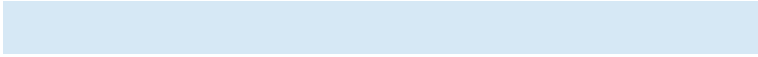
79.1238, 78.6019, 83.8952



72.0612, 78.6019, 76.0690

# Complementary

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



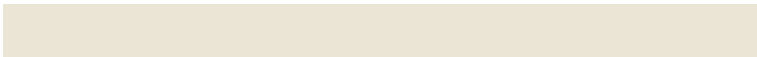
73.0696, 78.6019, 97.7067



77.2634, 79.2055, 74.8358

# 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.



74.1167, 78.6019, 73.7706



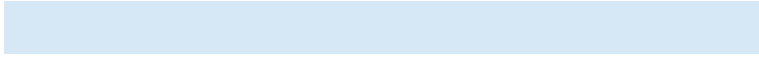
73.0696, 78.6019, 97.7067



78.2160, 78.6019, 78.1373

# Square

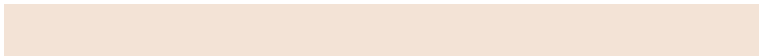
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0696, 78.6019, 97.7067



78.8297, 78.6019, 90.4009



76.3722, 78.6019, 74.5081



70.7340, 78.6019, 80.9415



# Rectangle

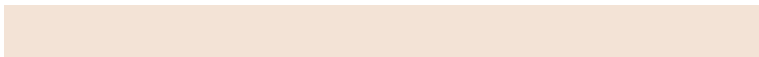
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0696, 78.6019, 97.7067



76.7664, 78.6019, 97.1421



76.3722, 78.6019, 74.5081



72.6882, 78.6019, 74.9813

# Sweetspot

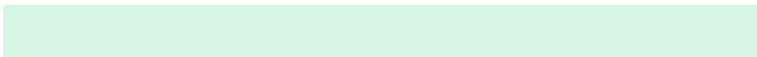
The Sweet Spot groups the original color and five complimentary colors.



73.0719, 78.6052, 97.7085



90.0473, 95.4183, 108.2793



74.2390, 85.1438, 85.1358



19.0779, 20.2429, 23.1517



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

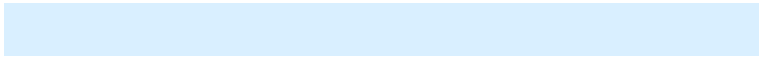


# Same Dimension

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



73.0719, 78.6052, 97.7085



77.4468, 83.6451, 106.6710



68.9201, 70.3015, 96.3245



16.3806, 17.5255, 21.0620



14.2526, 14.2990, 48.5468



1.3541, 1.4597, 4.3006



# Inverse Universe

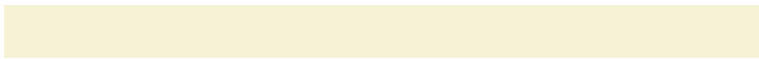
The Inverse Universe completely reimagines the original color for something new.



76.2701, 73.3335, 86.4826



81.5631, 76.9868, 92.1942



81.6714, 88.0215, 76.3052



16.9027, 16.6439, 19.2342



22.9986, 11.5429, 15.2327

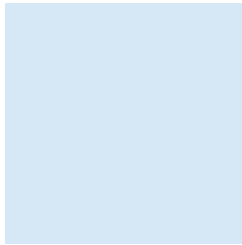


2.0726, 1.0350, 1.6085



# Previews

## White Background



This preview shows how the XYZ color 73.0696, 78.6019, 97.7067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

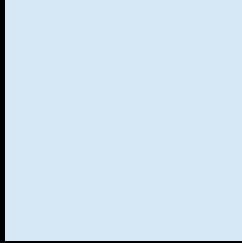
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0696, 78.6019, 97.7067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

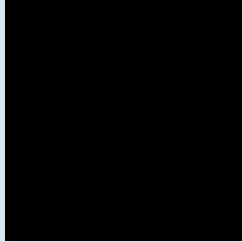
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

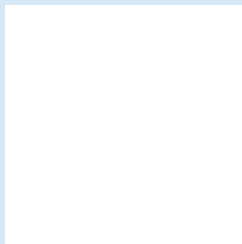
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.0696, 78.6019, 97.7067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.0696, 78.6019, 97.7067.



This preview shows how white text looks on a background with the XYZ color 73.0696, 78.6019,



# 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

73.0696, 78.6019, 97.7067

### Protanopia

76.0835, 78.5556, 95.1571

### Deuteranopia

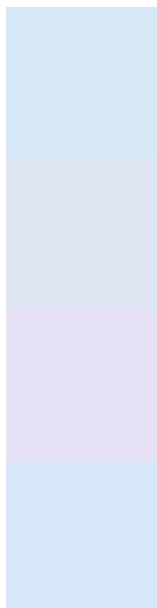
80.1383, 78.5454, 98.9327



## Tritanopia

73.8556, 78.5010, 101.7021

# Trichromacy



## Original Color

73.0696, 78.6019, 97.7067

## Protanomaly

74.9374, 78.3570, 95.9688

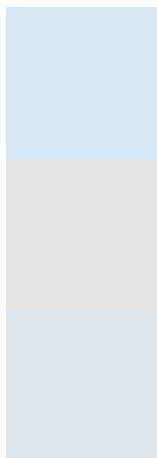
## Deuteranomaly

77.1096, 78.2023, 98.2192

## Tritanomaly

73.5435, 78.3762, 100.0589

# Monochromacy



## Original Color

73.0696, 78.6019, 97.7067

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.3020, 77.6671, 88.9697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0696, 78.6019, 97.7067 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(214, 232, 245)` looks like.

```
.text, #text, p{  
    color:rgb(214, 232, 245)  
}
```

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(214, 232, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 232, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0696, 78.6019, 97.7067 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(214, 232, 245) }
```



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

```
.border{ border-color:rgb(214, 232, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 232, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 232, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 232, 245);  
box-shadow:4px 4px 4px 4px rgb(214, 232,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0696, 78.6019, 97.7067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 232, 245) }
```

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

```
.background{ background-color: rgb(214,  
232, 245) }
```

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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