

# Converting Colors

XYZ(74.8836, 79.9569, 97.5709)

Have a look what the booklet for  
XYZ(74.8836, 79.9569, 97.5709)  
contains.

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# **Color**

**XYZ(74.8338, 79.9305,  
97.8702)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBE9F5
RGB	219, 233, 245
RGB Percent	86%, 91%, 96%
CMY	0.1412, 0.0863, 0.0392
CMYK	0.11, 0.05, 0.00, 0.04
HSL	208°, 57%, 91%
HSV	208°, 11%, 96%
XYZ	74.8338, 79.9305, 97.8702
YIQ	230.1820, -12.1960, 0.7640

# Conversions

## Conversions Part 2

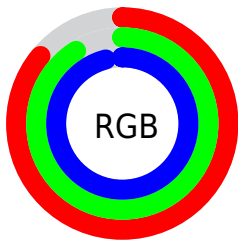
Format	Color
R <sub>Y</sub> B	219, 228, 245
Decimal	14412277
CIE Lab	91.65, -2.33, -7.41
CIE LCh	92, 7.764, 252.550
Yxy	79.9305, 0.2962, 0.3164
Android (android.graphics.Color)	4292602357 (0xFFDBE9F5)
YUV	230.1820, 7.3053, -9.8066
Hunter-Lab	89.4039, -7.0467, -2.3219

# Details

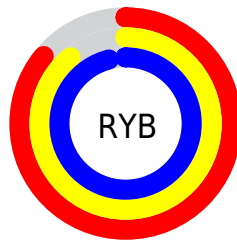
The XYZ color **74.8338, 79.9305, 97.8702** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0187, 81.6784, 78.6201**, and the grayscale version is **75.3046, 79.2263, 86.2774**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2173, 43.0109, 54.3264** is the 20% darker color. If you saturate the color by 10%, you get **64.9007, 70.2122, 96.5192**, and if you desaturate by 10%, it is **86.0614, 90.6248, 99.3439**.

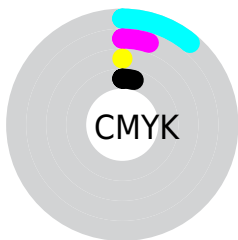
# Distribution



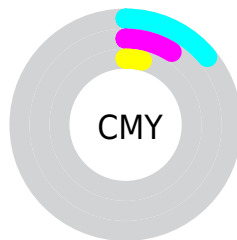
- Red (86%)
- Green (91%)
- Blue (96%)



- Red (86%)
- Yellow (89%)
- Blue (96%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (14%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8338, 79.9305, 97.8702 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 74.8338, 79.9305, 97.8702 by changing the saturation by 10% instead.



■ 74.8338, 79.9305,  
97.8702

■ 74.8338, 79.9305,  
97.8702

466.3521,  
494.6986, 574.5308

■ 55.7704, 59.6612,  
73.9161

125.0662,  
133.2680, 160.2535

■ 40.2552, 43.1456,  
54.2290

156.9660,  
167.1050, 199.5198

■ 27.9227, 29.9994,  
38.3904

193.8753,  
206.2333, 244.7273

■ 18.4075, 19.8381,  
25.9816

236.1595,  
251.0373, 296.2944

■ 11.3444, 12.2774,  
16.5842

284.1839,  
301.9015, 354.6398

■ 6.3680, 6.9329,  
9.7797

338.3139,

■ 3.1129, 3.4202,

359.2101, 420.1820

5.1495

398.9149,  
423.3477, 493.3394

■ 1.2137, 1.3548,  
2.2749

■ 0.1172, 0.1831,  
0.7171

■ 74.8338, 79.9305,  
97.8702

■ 74.8338, 79.9305,  
97.8702

■ 64.9007, 70.2122,  
96.5192

■ 86.0614, 90.6248,  
99.3439

■ 56.2041, 61.4279,  
95.2820

■ 93.4817, 99.3727,  
100.6413

■ 48.6918, 53.5470,  
94.1568

■ 42.3047, 46.5331,  
93.1396

■ 36.9785, 40.3468,  
92.2262

■ 32.6414, 34.9448,  
91.4121

■ 29.2118, 30.2782,  
90.6921

■ 26.5928, 26.2904,  
90.0604

■ 24.7269, 23.0831,  
89.5397

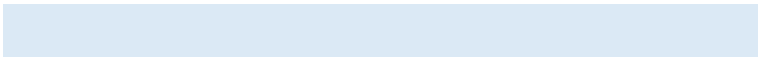
# Harmonies

## Analogous

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



73.1969, 79.9305, 94.6266



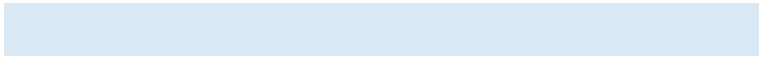
74.8338, 79.9305, 97.8702



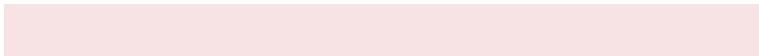
76.8032, 79.9305, 98.1317

# Triad

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



74.8338, 79.9305, 97.8702



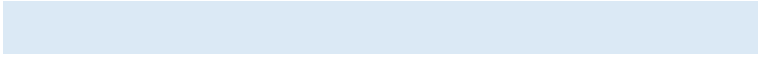
79.7548, 79.9305, 84.6792



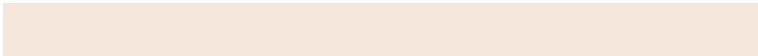
73.4220, 79.9305, 79.2309

# Complementary

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



74.8338, 79.9305, 97.8702



79.0187, 81.6784, 78.6201

# Split Complementary

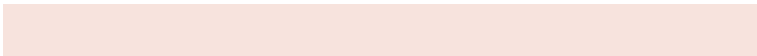
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1460, 79.9305, 76.8002



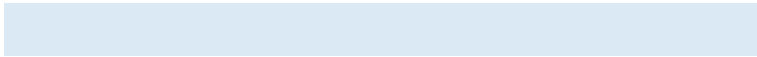
74.8338, 79.9305, 97.8702



78.8155, 79.9305, 79.8526

# Square

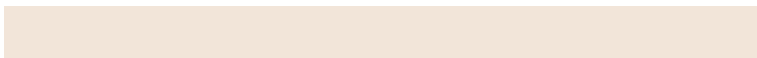
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8338, 79.9305, 97.8702



79.6677, 79.9305, 90.3468



77.1208, 79.9305, 77.0227



72.3916, 79.9305, 83.7968



# Rectangle

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



74.8338, 79.9305, 97.8702



78.0417, 79.9305, 96.5645



77.1208, 79.9305, 77.0227



73.9383, 79.9305, 78.1461

# Sweetspot

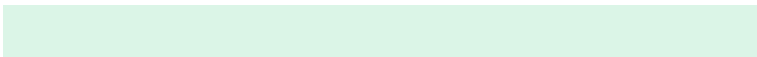
The Sweet Spot groups the original color and five complimentary colors.



74.8361, 79.9338, 97.8720



91.1756, 96.3464, 108.3990



76.2487, 86.1189, 87.9846



19.2985, 20.4166, 23.1736



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

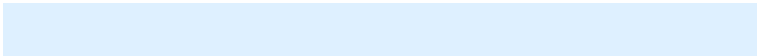


# Same Dimension

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



74.8361, 79.9338, 97.8720



79.2014, 84.8721, 106.8153



71.3683, 72.9982, 96.7160



16.3205, 17.4053, 21.0419



13.4609, 12.7156, 48.2829



1.2859, 1.3231, 4.2779



# Inverse Universe

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



77.6976, 75.9604, 87.6614



83.0057, 79.6966, 93.2160



82.7042, 89.0493, 79.8486



16.8723, 16.6318, 19.0744



22.5989, 11.3830, 13.1283

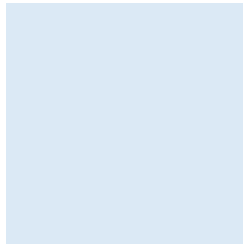


2.0381, 1.0212, 1.4270



# Previews

## White Background



This preview shows how the XYZ color 74.8338, 79.9305, 97.8702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

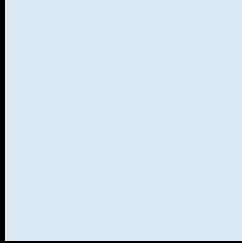
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8338, 79.9305, 97.8702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

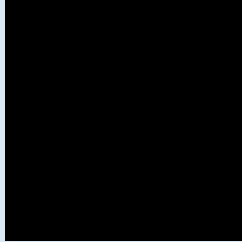
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

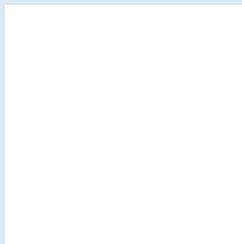
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.8338, 79.9305, 97.8702

## Background



This preview shows how black text looks on a background with the XYZ color 74.8338, 79.9305, 97.8702.



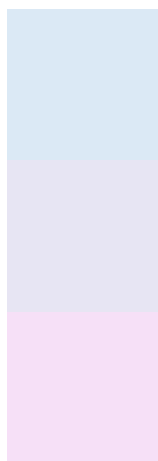
This preview shows how white text looks on a background with the XYZ color 74.8338, 79.9305,

97.8702.

# 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

74.8338, 79.9305, 97.8702

### Protanopia

77.1520, 79.4986, 96.0724

### Deuteranopia

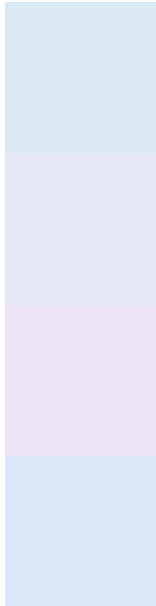
81.4502, 79.6195, 99.0709



## Tritanopia

75.7844, 79.8939, 102.6936

# Trichromacy



## Original Color

74.8338, 79.9305, 97.8702

## Protanomaly

76.3045, 79.4562, 96.9028

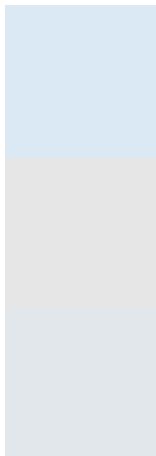
## Deuteranomaly

78.6957, 79.4249, 98.3716

## Tritanomaly

75.4707, 79.7684, 101.0416

# Monochromacy



## Original Color

74.8338, 79.9305, 97.8702

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.9353, 79.3187, 89.9578

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8338, 79.9305, 97.8702 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, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(219, 233, 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(219, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 233, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8338, 79.9305, 97.8702 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, 233, 245) }
```



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

```
.border{ border-color:rgb(219, 233, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 233, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(219, 233,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8338, 79.9305, 97.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 233, 245) }
```

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

```
.background{ background-color: rgb(219,  
233, 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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