

# Converting Colors

XYZ(74.5474, 79.6810,  
100.2588)

Have a look what the booklet for  
XYZ(74.5474, 79.6810, 100.2588)  
contains.

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# Color

**XYZ(74.6975, 79.8069,  
100.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E9F8
RGB	217, 233, 248
RGB Percent	85%, 91%, 97%
CMY	0.1490, 0.0863, 0.0274
CMYK	0.12, 0.06, 0.00, 0.03
HSL	209°, 69%, 91%
HSV	209°, 12%, 97%
XYZ	74.6975, 79.8069, 100.2742
YIQ	229.9260, -14.3510, 1.2730

# Conversions

## Conversions Part 2

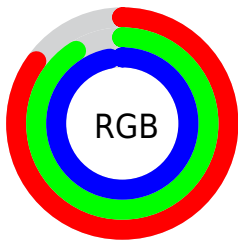
Format	Color
R <sub>Y</sub> B	217, 228, 248
Decimal	14281208
CIE Lab	91.60, -2.37, -9.07
CIE LCh	92, 9.374, 255.360
Yxy	79.8069, 0.2932, 0.3132
Android (android.graphics.Color)	4292471288 (0xFFD9E9F8)
YUV	229.9260, 8.9105, -11.3361
Hunter-Lab	89.3347, -7.0824, -4.0161

# Details

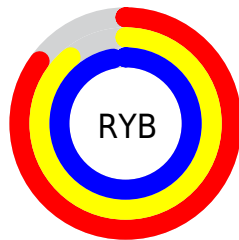
The XYZ color **74.6975, 79.8069, 100.2742** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0928, 82.6791, 77.3845**, and the grayscale version is **75.1048, 79.0161, 86.0486**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1369, 42.9314, 56.0403** is the 20% darker color. If you saturate the color by 10%, you get **64.5915, 69.7273, 98.8625**, and if you desaturate by 10%, it is **86.1469, 90.9261, 101.8182**.

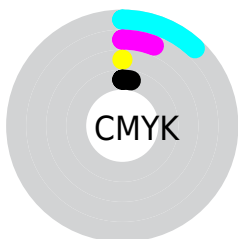
# Distribution



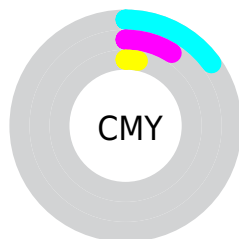
- Red (85%)
- Green (91%)
- Blue (97%)



- Red (85%)
- Yellow (89%)
- Blue (97%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (9%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6975, 79.8069, 100.2742 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 74.6975, 79.8069, 100.2742 by changing the saturation by 10% instead.



■ 74.6975, 79.8069,  
100.2742

■ 74.6975, 79.8069,  
100.2742

465.8904,  
494.2818, 582.3256

■ 55.6584, 59.5595,  
75.9114

124.8743,  
133.0942, 163.5891

■ 40.1650, 43.0636,  
55.8536

156.7427,  
166.9029, 203.3783

■ 27.8520, 29.9351,  
39.6824

193.6182,  
206.0007, 249.1467

■ 18.3540, 19.7893,  
26.9791

235.8662,  
250.7722, 301.3128

■ 11.3057, 12.2420,  
17.3252

283.8521,  
301.6016, 360.2952

■ 6.3416, 6.9087,  
10.3022

337.9412,

■ 3.0965, 3.4051,

358.8735, 426.5125

5.4916

398.4988,  
422.9721, 500.3831

■ 1.2050, 1.3467,  
2.4747

■ 0.1103, 0.1769,  
0.8267

■ 74.6975, 79.8069,  
100.2742

■ 74.6975, 79.8069,  
100.2742

■ 64.5915, 69.7273,  
98.8625

■ 86.1469, 90.9261,  
101.8182

■ 55.7679, 60.6427,  
97.5741

■ 93.9435, 99.5574,  
103.0733

■ 48.1716, 52.5199,  
96.4066

■ 41.7400, 45.3194,  
95.3558

■ 36.4049, 38.9987,  
94.4169

■ 32.0899, 33.5105,  
93.5850

■ 28.7078, 28.8019,  
92.8544

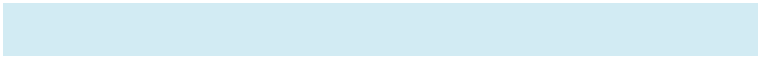
■ 26.1536, 24.8105,  
92.2186

■ 24.6662, 22.2228,  
91.7975

# Harmonies

## Analogous

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



72.6679, 79.8069, 96.6099



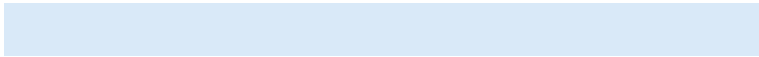
74.6975, 79.8069, 100.2742



77.0789, 79.8069, 100.2271

# Triad

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



74.6975, 79.8069, 100.2742



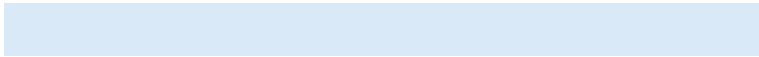
80.3762, 79.8069, 83.4535



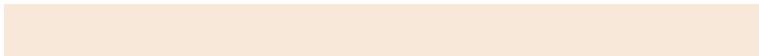
72.6282, 79.8069, 77.9652

# Complementary

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



74.6975, 79.8069, 100.2742



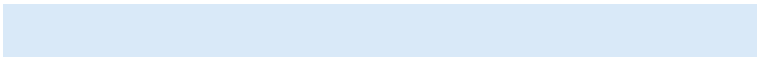
80.0928, 82.6791, 77.3845

# Split Complementary

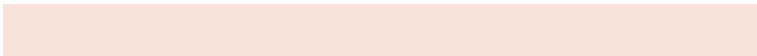
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6423, 79.8069, 74.8030



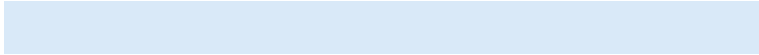
74.6975, 79.8069, 100.2742



79.1320, 79.8069, 77.8564

# Square

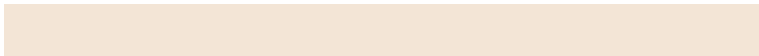
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



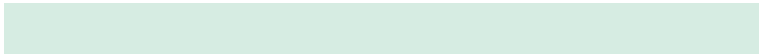
74.6975, 79.8069, 100.2742



80.3918, 79.8069, 90.2681



77.0225, 79.8069, 74.7643

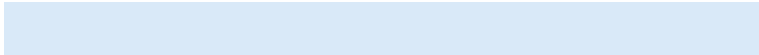


71.4904, 79.8069, 83.6092



# Rectangle

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



74.6975, 79.8069, 100.2742



78.5471, 79.8069, 98.0875



77.0225, 79.8069, 74.7643



73.2233, 79.8069, 76.5902

# Sweetspot

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



74.6998, 79.8102, 100.2760



89.8424, 95.0085, 108.2110



76.7472, 87.7132, 89.2183



19.0260, 20.1392, 23.1344



0.0000, 0.0000, 0.0000

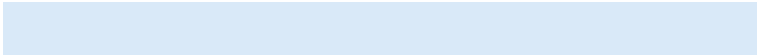


20.3446, 21.4041, 23.3091

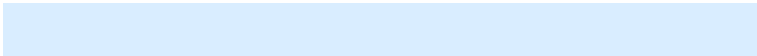


# Same Dimension

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



74.6998, 79.8102, 100.2760



76.7295, 82.2103, 106.4318



70.5063, 71.4231, 98.8781



17.0242, 18.1252, 21.9865



13.4658, 12.2871, 49.6355



1.3533, 1.3503, 4.6325



# Inverse Universe

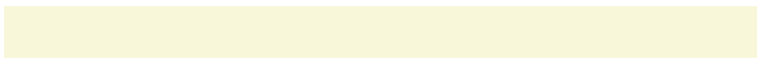
The Inverse Universe completely reimagines the original color for something new.



78.2341, 75.4671, 87.5379



81.2010, 76.8419, 90.2874



84.6459, 91.7851, 78.9022



17.6187, 17.3749, 19.8481



23.0889, 11.6513, 12.4426

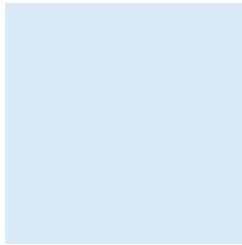


2.1920, 1.1005, 1.4346



# Previews

## White Background



This preview shows how the XYZ color 74.6975, 79.8069, 100.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

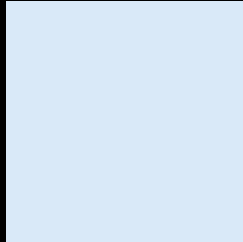
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6975, 79.8069, 100.2742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

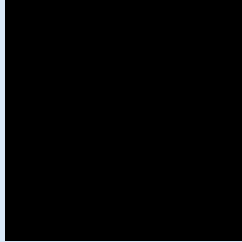
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

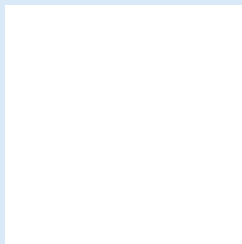
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.6975, 79.8069, 100.2742

## Background



This preview shows how black text looks on a background with the XYZ color 74.6975, 79.8069, 100.2742.



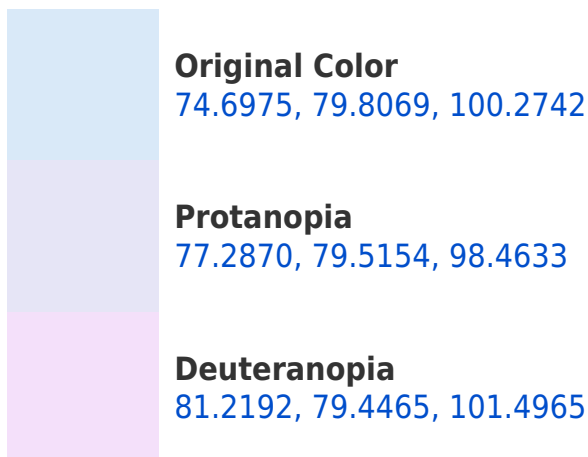
This preview shows how white text looks on a background with the XYZ color 74.6975, 79.8069,



# 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

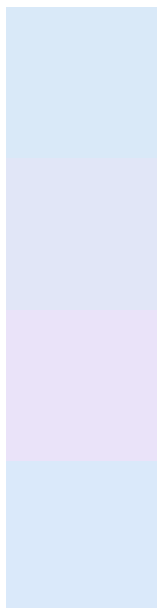




## Tritanopia

75.4649, 80.1483, 102.7595

# Trichromacy



## Original Color

74.6975, 79.8069, 100.2742

## Protanomaly

76.1367, 79.3166, 99.2925

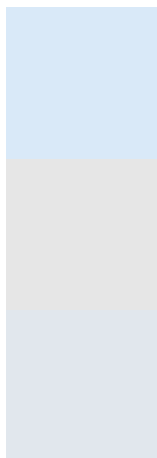
## Deuteranomaly

78.4997, 79.2701, 100.7858

## Tritanomaly

75.3077, 80.0854, 101.9314

# Monochromacy



## Original Color

74.6975, 79.8069, 100.2742

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.9133, 79.2738, 91.4738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6975, 79.8069, 100.2742 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(217, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(217, 233, 248)  
}
```

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(217, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 233, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6975, 79.8069, 100.2742 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".

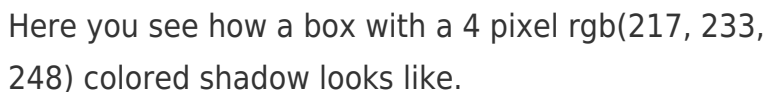
```
.border, #border, table{ border:4px solid rgb(217, 233, 248) }
```



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

```
.border{ border-color:rgb(217, 233, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 233, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 233, 248); box-shadow:4px 4px 4px 4px rgb(217, 233, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6975, 79.8069, 100.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 233, 248) }
```

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

```
.background{ background-color: rgb(217,  
233, 248) }
```

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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