

# Converting Colors

XYZ(74.1839, 80.7803, 93.7351)

Have a look what the booklet for  
XYZ(74.1839, 80.7803, 93.7351)  
contains.

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# Color

**XYZ(74.3389, 81.0339,  
94.1611)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9ECF0
RGB	217, 236, 240
RGB Percent	85%, 93%, 94%
CMY	0.1490, 0.0745, 0.0588
CMYK	0.10, 0.02, 0.00, 0.06
HSL	190°, 43%, 90%
HSV	190°, 10%, 94%
XYZ	74.3389, 81.0339, 94.1611
YIQ	230.7750, -12.6080, -2.7840

# Conversions

## Conversions Part 2

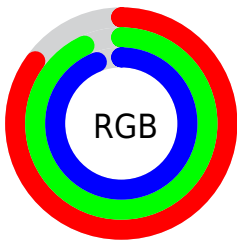
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 227, 240
Decimal	14281968
CIE Lab	92.15, -5.47, -4.09
CIE LCh	92, 6.831, 216.744
Yxy	81.0339, 0.2979, 0.3247
Android (android.graphics.Color)	4292472048 (0xFFD9ECF0)
YUV	230.7750, 4.5479, -12.0807
Hunter-Lab	90.0188, -10.1250, 0.9949

# Details

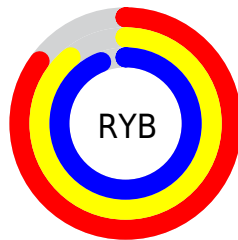
The XYZ color **74.3389, 81.0339, 94.1611** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3164, 75.2474, 76.2543**, and the grayscale version is **75.7643, 79.7099, 86.8041**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.8733, 43.7846, 51.6971** is the 20% darker color. If you saturate the color by 10%, you get **66.5314, 75.2494, 93.4574**, and if you desaturate by 10%, it is **83.2165, 87.4161, 94.9263**.

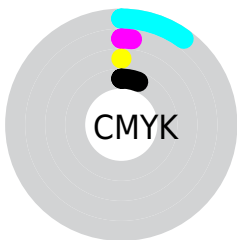
# Distribution



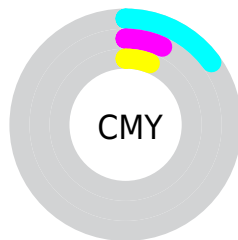
- Red (85%)
- Green (93%)
- Blue (94%)



- Red (85%)
- Yellow (89%)
- Blue (94%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (7%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3389, 81.0339, 94.1611 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 74.3389, 81.0339, 94.1611 by changing the saturation by 10% instead.



■ 74.3389, 81.0339,  
94.1611

■ 74.3389, 81.0339,  
94.1611

464.6745,  
498.4103, 562.3914

■ 55.3637, 60.5695,  
70.8439

124.3690,  
134.8184, 155.0907

■ 39.9280, 43.8778,  
51.7338

156.1547,  
168.9072, 193.5402

■ 27.6664, 30.5745,  
36.4122

192.9412,  
208.3064, 237.8710

■ 18.2135, 20.2751,  
24.4605

235.0940,  
253.4003, 288.5014

■ 11.2040, 12.5951,  
15.4602

282.9783,  
304.5732, 345.8501

■ 6.2725, 7.1504,  
8.9928

336.9596,

■ 3.0537, 3.5563,

362.2096, 410.3357

4.6397

397.4032,  
426.6938, 482.3766

■ 1.1822, 1.4286,  
1.9825

■ 0.0923, 0.2377,  
0.5445

■ 74.3389, 81.0339,  
94.1611

■ 74.3389, 81.0339,  
94.1611

■ 66.5314, 75.2494,  
93.4574

■ 83.2165, 87.4161,  
94.9263

■ 59.7422, 70.0291,  
92.8076

■ 89.4232, 92.4610,  
95.5730

■ 53.9257, 65.3512,  
92.2112

■ 90.6947, 95.0039,  
95.9968

■ 49.0300, 61.1888,  
91.6658

■ 91.9947, 97.6039,  
96.4301

■ 44.9980, 57.5122,  
91.1687

■ 92.7284, 99.0714,  
96.6747

■ 41.7664, 54.2884,  
90.7167

■ 39.2628, 51.4797,  
90.3066

■ 37.4011, 49.0417,  
89.9341

■ 36.0433, 46.9026,  
89.5928

# Harmonies

## Analogous

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



73.7066, 81.0339, 89.3757



74.3389, 81.0339, 94.1611



75.6911, 81.0339, 97.4442

# Triad

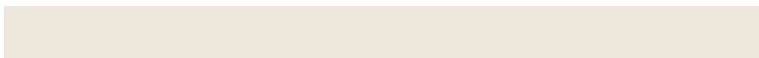
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3389, 81.0339, 94.1611



80.1731, 81.0339, 92.1165



76.6234, 81.0339, 78.9486

# Complementary

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



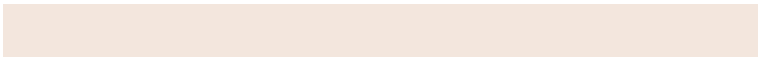
74.3389, 81.0339, 94.1611



74.3164, 75.2474, 76.2543

# Split Complementary

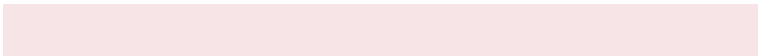
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3649, 81.0339, 79.6198



74.3389, 81.0339, 94.1611



80.4318, 81.0339, 87.0984

# Square

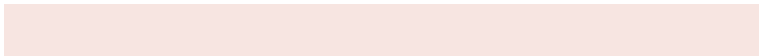
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3389, 81.0339, 94.1611



79.0636, 81.0339, 96.2327



79.7654, 81.0339, 82.5574



75.0125, 81.0339, 80.6878

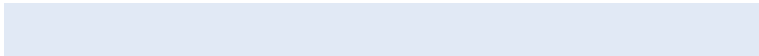


# Rectangle

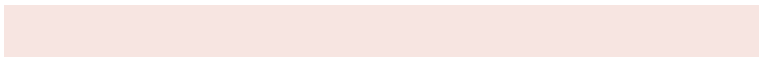
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



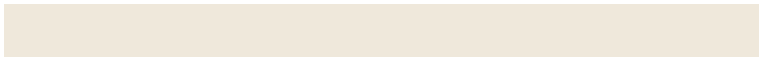
74.3389, 81.0339, 94.1611



76.8281, 81.0339, 98.2716



79.7654, 81.0339, 82.5574



77.2128, 81.0339, 78.9008

# Sweetspot

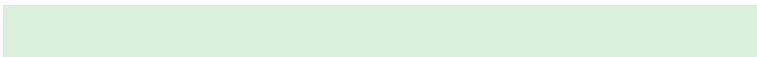
The Sweet Spot groups the original color and five complimentary colors.



74.3412, 81.0373, 94.1629



91.8687, 97.7327, 108.6300



72.8056, 82.2848, 80.3369



19.4858, 20.7914, 23.2361



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

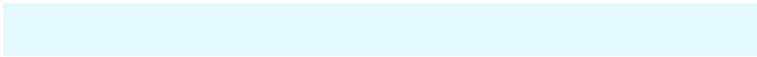


# Same Dimension

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



74.3412, 81.0373, 94.1629



83.9376, 91.9924, 107.9401



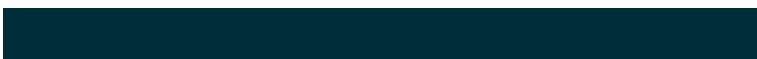
71.1800, 74.7148, 93.1091



16.0001, 17.4343, 20.2435



19.7891, 25.8025, 49.0653



1.7071, 2.2681, 4.1020

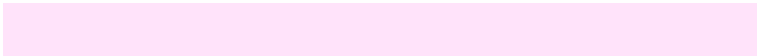


# Inverse Universe

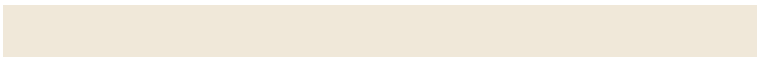
The Inverse Universe completely reimagines the original color for something new.



75.8902, 74.2087, 89.6847



85.9705, 83.0809, 102.0512



77.4114, 81.4375, 77.2860



16.3295, 15.9815, 19.2913



25.3143, 12.3981, 30.6351

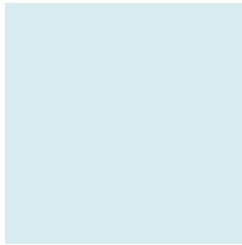


2.1366, 1.0437, 2.7102



# Previews

## White Background



This preview shows how the XYZ color 74.3389, 81.0339, 94.1611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

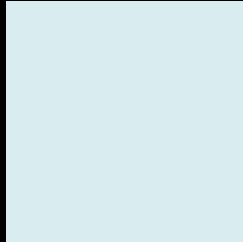
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3389, 81.0339, 94.1611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

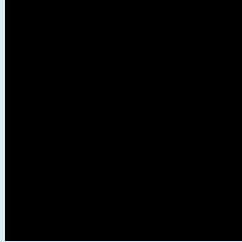
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

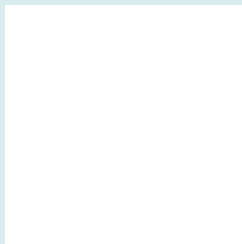
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.3389, 81.0339, 94.1611

## Background



This preview shows how black text looks on a background with the XYZ color 74.3389, 81.0339, 94.1611.



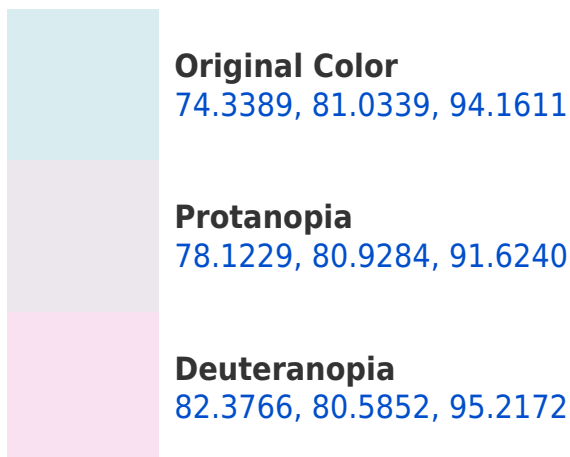
This preview shows how white text looks on a background with the XYZ color 74.3389, 81.0339,

94.1611.

# 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

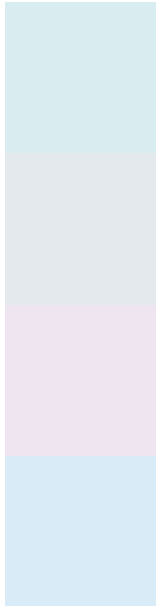




## **Tritanopia**

76.3659, 80.9976, 104.5377

# Trichromacy



## Original Color

74.3389, 81.0339, 94.1611

## Protanomaly

76.5664, 80.9449, 92.4774

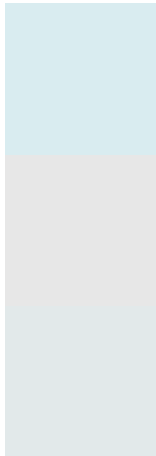
## Deuteranomaly

79.1564, 80.5666, 94.5980

## Tritanomaly

75.5651, 81.0994, 100.4780

# Monochromacy



## Original Color

74.3389, 81.0339, 94.1611

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.3542, 80.3871, 89.3866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3389, 81.0339, 94.1611 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, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 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(217, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3389, 81.0339, 94.1611 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, 236, 240) }
```



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

```
.border{ border-color:rgb(217, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(217, 236,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3389, 81.0339, 94.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 240) }
```

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

```
.background{ background-color: rgb(217,  
236, 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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