

# Converting Colors

XYZ(74.9827, 81.1058, 91.0347)

Have a look what the booklet for  
XYZ(74.9827, 81.1058, 91.0347)  
contains.

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# Color

**XYZ(74.9729, 81.0024,  
91.0404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEBEC
RGB	222, 235, 236
RGB Percent	87%, 92%, 93%
CMY	0.1294, 0.0784, 0.0745
CMYK	0.06, 0.00, 0.00, 0.07
HSL	184°, 27%, 90%
HSV	184°, 6%, 93%
XYZ	74.9729, 81.0024, 91.0404
YIQ	231.2270, -8.0690, -2.4450

# Conversions

## Conversions Part 2

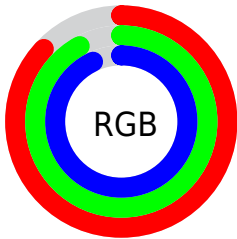
Format	Color
RYP	222, 229, 236
Decimal	14609388
CIELab	92.13, -4.11, -1.98
CIElCh	92, 4.560, 205.758
Yxy	81.0024, 0.3035, 0.3279
Android (android.graphics.Color)	4292799468 (0xFFDEEBEC)
YUV	231.2270, 2.3531, -8.0921
Hunter-Lab	90.0013, -8.8083, 3.0264

# Details

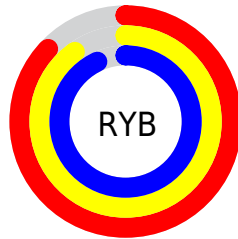
The XYZ color **74.9729, 81.0024, 91.0404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.1649, 75.8816, 79.8463**, and the grayscale version is **76.1140, 80.0778, 87.2047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2947, 43.7510, 49.5010** is the 20% darker color. If you saturate the color by 10%, you get **67.7665, 76.5791, 90.5677**, and if you desaturate by 10%, it is **83.2002, 85.9632, 91.5656**.

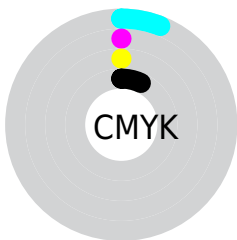
# Distribution



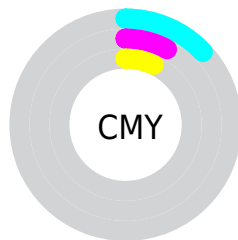
- Red (87%)
- Green (92%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9729, 81.0024, 91.0404 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 74.9729, 81.0024, 91.0404 by changing the saturation by 10% instead.



■ 74.9729, 81.0024,  
91.0404

■ 74.9729, 81.0024,  
91.0404

466.8230,  
498.3046, 552.0666

■ 55.8848, 60.5436,  
68.2653

125.2621,  
134.7741, 150.7308

■ 40.3472, 43.8569,  
49.6456

157.1939,  
168.8558, 188.4833

■ 27.9948, 30.5580,  
34.7626

194.1377,  
208.2473, 232.0652

■ 18.4621, 20.2625,  
23.1980

236.4587,  
253.3329, 281.8952

■ 11.3840, 12.5860,  
14.5331

284.5224,  
304.4970, 338.3918

■ 6.3949, 7.1441,  
8.3494

338.6941,

■ 3.1296, 3.5524,

362.1241, 401.9736

4.2284

399.3392,  
426.5985, 473.0590

■ 1.2227, 1.4265,  
1.7514

■ 0.1242, 0.2361,  
0.3956

■ 74.9729, 81.0024,  
91.0404

■ 74.9729, 81.0024,  
91.0404

■ 67.7665, 76.5791,  
90.5677

■ 83.2002, 85.9632,  
91.5656

■ 61.5324, 72.6615,  
90.1401


■ 87.0613, 88.6777,  
91.8860


■ 56.2280, 69.2299,  
89.7573


■ 87.5536, 89.6623,  
92.0501


■ 51.8052, 66.2595,  
89.4170


■ 88.0505, 90.6560,  
92.2157


 48.2115, 63.7231,  
89.1169


 88.5519, 91.6589,  
92.3829


 45.3885, 61.5907,  
88.8541


 89.0580, 92.6710,  
92.5516


 43.2707, 59.8284,  
88.6256

 89.5686, 93.6924,  
92.7218

 41.7811, 58.3967,  
88.4277

 90.0839, 94.7230,  
92.8935

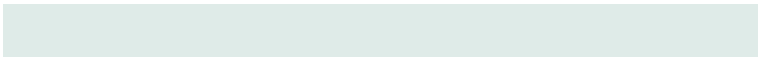
 40.8249, 57.2465,  
88.2561

 90.6039, 95.7628,  
93.0669

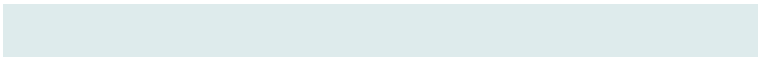
# Harmonies

## Analogous

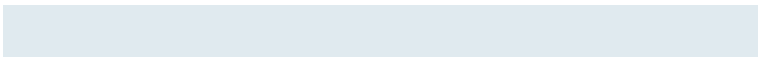
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7586, 81.0024, 87.7199



74.9729, 81.0024, 91.0404



75.7257, 81.0024, 93.6570

# Triad

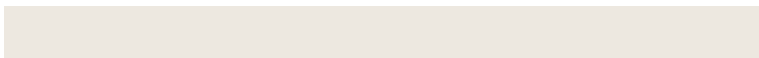
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9729, 81.0024, 91.0404



78.8737, 81.0024, 91.8900



77.1576, 81.0024, 81.8996

# Complementary

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



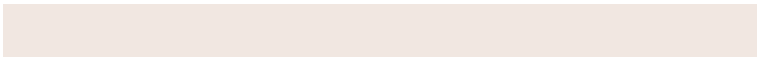
74.9729, 81.0024, 91.0404



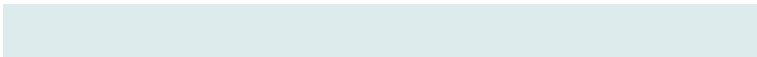
74.1649, 75.8816, 79.8463

# 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.



78.2690, 81.0024, 82.9550



74.9729, 81.0024, 91.0404



79.2661, 81.0024, 88.6775

# Square

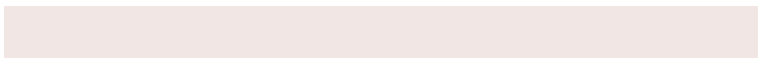
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9729, 81.0024, 91.0404



77.9766, 81.0024, 94.1562



79.0437, 81.0024, 85.4151



76.0125, 81.0024, 82.4963

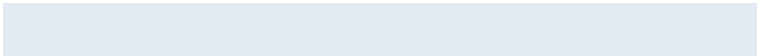


# Rectangle

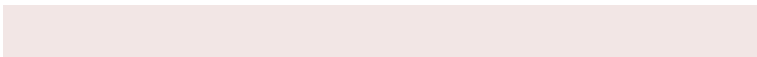
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9729, 81.0024, 91.0404



76.4357, 81.0024, 94.6209



79.0437, 81.0024, 85.4151



77.5477, 81.0024, 82.0722

# Sweetspot

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



74.9752, 81.0058, 91.0422



93.0828, 98.8142, 108.7748



73.4313, 80.8460, 81.5009



19.9442, 21.1627, 23.2836



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

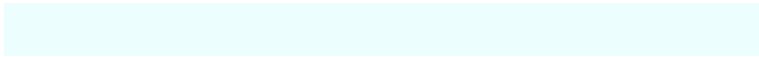


# Same Dimension

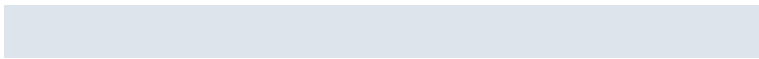
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9752, 81.0058, 91.0422



88.3812, 95.9625, 108.4722



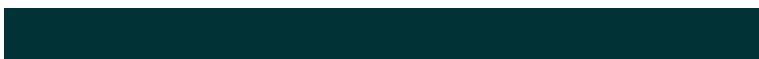
73.0276, 77.1106, 90.3930



15.7212, 17.1113, 19.3965



22.3788, 31.4046, 48.6252



1.7848, 2.5211, 3.8274



# Inverse Universe

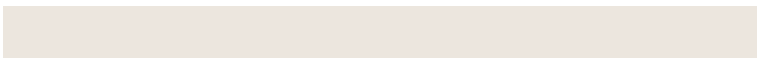
The Inverse Universe completely reimagines the original color for something new.



75.7106, 76.0752, 89.2949



89.4138, 89.0537, 106.0156



76.0564, 79.6647, 80.4769



15.9195, 15.7859, 18.9244



26.1511, 12.6631, 38.1924

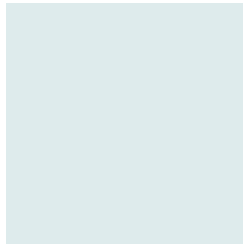


2.0674, 0.9999, 3.0722



# Previews

## White Background



This preview shows how the XYZ color 74.9729, 81.0024, 91.0404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

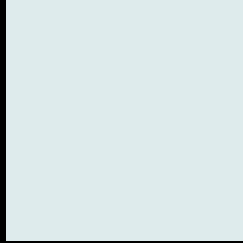
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9729, 81.0024, 91.0404 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

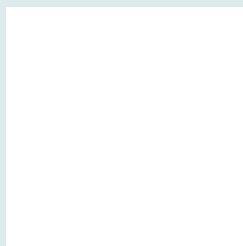
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9729, 81.0024, 91.0404

## Background



This preview shows how black text looks on a background with the XYZ color 74.9729, 81.0024, 91.0404.



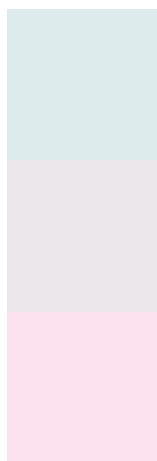
This preview shows how white text looks on a background with the XYZ color 74.9729, 81.0024,

91.0404.

# 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

74.9729, 81.0024, 91.0404

### Protanopia

78.0193, 80.9252, 89.3500

### Deuteranopia

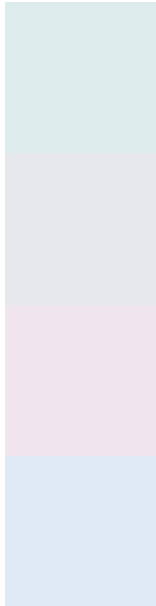
82.5027, 80.7189, 92.1209



## Tritanopia

77.2920, 81.0902, 102.8450

# Trichromacy



## Original Color

74.9729, 81.0024, 91.0404

## Protanomaly

76.8070, 80.7003, 90.1258

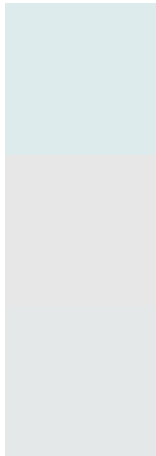
## Deuteranomaly

79.5810, 80.8538, 91.5327

## Tritanomaly

76.4888, 81.1874, 98.8281

# Monochromacy



## Original Color

74.9729, 81.0024, 91.0404

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.5595, 80.0904, 88.5674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9729, 81.0024, 91.0404 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(222, 235, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 235, 236)  
}
```

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(222, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9729, 81.0024, 91.0404 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(222, 235, 236) }
```



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

```
.border{ border-color:rgb(222, 235, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 235,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9729, 81.0024, 91.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 236) }
```

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

```
.background{ background-color: rgb(222,  
235, 236) }
```

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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