

# Converting Colors

XYZ(78.4452, 84.4039,  
100.8580)

Have a look what the booklet for  
XYZ(78.4452, 84.4039, 100.8580)  
contains.

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# Color

**XYZ(78.5502, 84.3576,  
100.9495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EFF8
RGB	224, 239, 248
RGB Percent	88%, 94%, 97%
CMY	0.1216, 0.0627, 0.0274
CMYK	0.10, 0.04, 0.00, 0.03
HSL	202°, 63%, 93%
HSV	202°, 10%, 97%
XYZ	78.5502, 84.3576, 100.9495
YIQ	235.5410, -11.8290, -0.3810

# Conversions

## Conversions Part 2

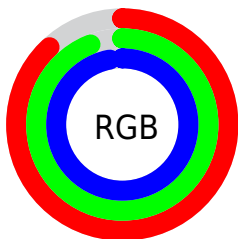
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 233, 248
Decimal	14741496
CIE Lab	93.61, -3.22, -6.04
CIE LCh	94, 6.849, 241.941
Yxy	84.3576, 0.2977, 0.3197
Android (android.graphics.Color)	4292931576 (0xFFE0EFF8)
YUV	235.5410, 6.1423, -10.1215
Hunter-Lab	91.8464, -8.0718, -0.8739

# Details

The XYZ color **78.5502, 84.3576, 100.9495** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3051, 83.6154, 82.3765**, and the grayscale version is **79.3411, 83.4730, 90.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8101, 46.1078, 56.5125** is the 20% darker color. If you saturate the color by 10%, you get **68.7662, 75.3790, 99.7334**, and if you desaturate by 10%, it is **89.6001, 94.2012, 102.2684**.

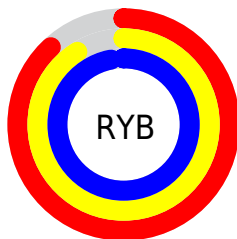
# Distribution



Red (88%)

Green (94%)

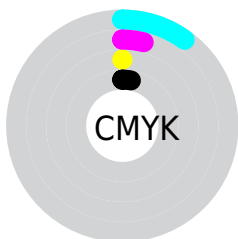
Blue (97%)



Red (88%)

Yellow (91%)

Blue (97%)

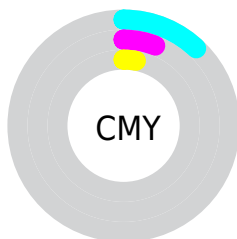


Cyan (10%)

Magenta (4%)

Yellow (0%)

Black (3%)



Cyan (12%)

Magenta (6%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5502, 84.3576, 100.9495 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 78.5502, 84.3576, 100.9495 by changing the saturation by 10% instead.



■ 78.5502, 84.3576,  
100.9495

■ 78.5502, 84.3576,  
100.9495

478.8446,  
509.5000, 584.5052

■ 58.8304, 63.3107,  
76.4724

130.2867,  
139.4753, 164.5246

■ 42.7225, 46.0926,  
56.3110

163.0341,  
174.3149, 204.4598

■ 29.8610, 32.3189,  
40.0467

200.8548,  
214.5209, 250.3848

■ 19.8806, 21.6052,  
27.2609

244.1141,  
260.4776, 302.7180

■ 12.4161, 13.5671,  
17.5351

293.1774,  
312.5695, 361.8782

■ 7.1019, 7.8202,  
10.4507

348.4100,

■ 3.5728, 3.9801,

371.1809, 428.2838

5.5893

410.1773,  
436.6963, 502.3533

■ 1.4634, 1.6624,  
2.5323

■ 0.3007, 0.3992,  
0.8572

■ 78.5502, 84.3576,  
100.9495

■ 78.5502, 84.3576,  
100.9495

■ 68.7662, 75.3790,  
99.7334

■ 89.6001, 94.2012,  
102.2684

■ 60.1904, 67.2256,  
98.6117

■ 93.9435, 99.5574,  
103.0734

■ 52.7712, 59.8701,  
97.5830

■ 46.4504, 53.2792,  
96.6439

■ 41.1641, 47.4166,  
95.7909

■ 36.8414, 42.2424,  
95.0201

■ 33.4016, 37.7114,  
94.3268

■ 30.7488, 33.7706,  
93.7060

■ 28.7314, 30.3382,  
93.1498

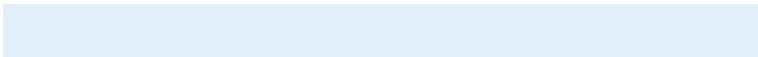
# Harmonies

## Analogous

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



77.2563, 84.3576, 97.2369



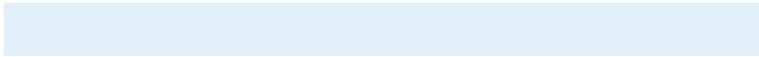
78.5502, 84.3576, 100.9495



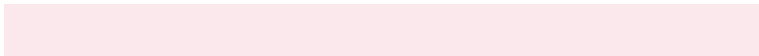
80.2976, 84.3576, 102.1986

# Triad

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



78.5502, 84.3576, 100.9495



83.7154, 84.3576, 91.5131



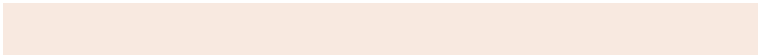
78.3485, 84.3576, 83.6339

# Complementary

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



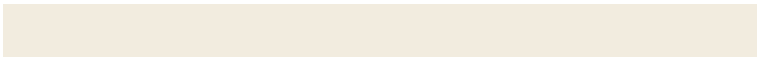
78.5502, 84.3576, 100.9495



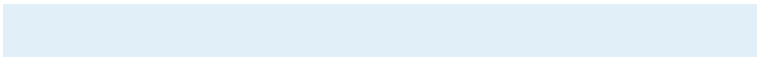
81.3051, 83.6154, 82.3765

# Split Complementary

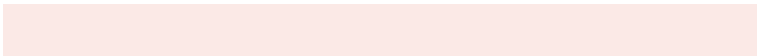
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0613, 84.3576, 82.2267



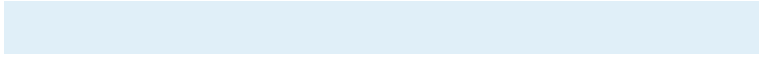
78.5502, 84.3576, 100.9495



83.1752, 84.3576, 86.6679

# Square

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



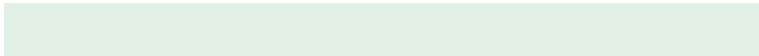
78.5502, 84.3576, 100.9495



83.2963, 84.3576, 96.6294



81.8309, 84.3576, 83.3165



77.1411, 84.3576, 87.2329



# Rectangle

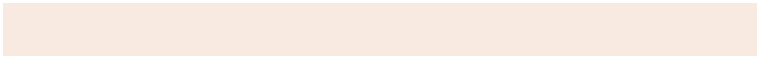
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5502, 84.3576, 100.9495



81.4895, 84.3576, 101.4299



81.8309, 84.3576, 83.3165



78.8834, 84.3576, 82.8951

# Sweetspot

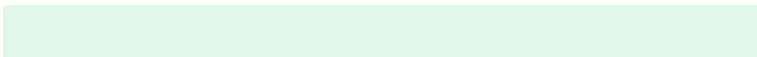
The Sweet Spot groups the original color and five complimentary colors.



78.5526, 84.3611, 100.9514



91.3833, 96.7619, 108.4682



78.9886, 88.8552, 89.9300



19.3546, 20.5288, 23.1923



0.0000, 0.0000, 0.0000

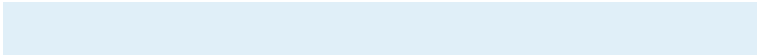


20.3446, 21.4041, 23.3091



# Same Dimension

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



78.5526, 84.3611, 100.9514



81.1239, 87.5500, 107.2309



75.2089, 77.6737, 99.8368



17.1872, 18.4511, 22.0409



15.6272, 16.6100, 50.3560



1.5491, 1.7419, 4.6978



# Inverse Universe

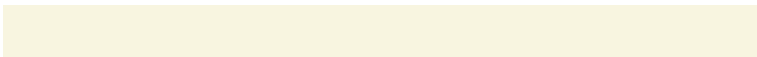
The Inverse Universe completely reimagines the original color for something new.



80.9489, 79.5014, 92.7443



84.2611, 81.2897, 96.4634



84.7592, 90.5235, 83.5279



17.7010, 17.4078, 20.2812



24.1799, 12.0877, 18.1878

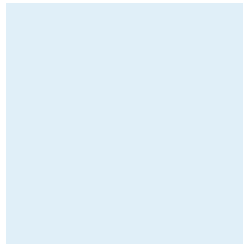


2.2909, 1.1401, 1.9551



# Previews

## White Background



This preview shows how the XYZ color 78.5502, 84.3576, 100.9495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

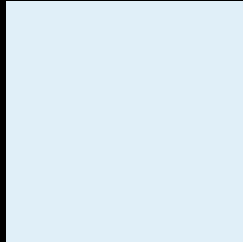
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5502, 84.3576, 100.9495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

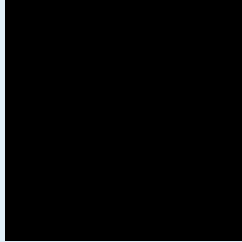
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

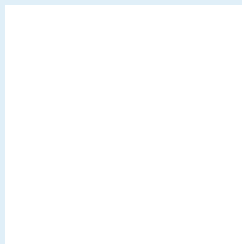
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.5502, 84.3576, 100.9495

## Background



This preview shows how black text looks on a background with the XYZ color 78.5502, 84.3576, 100.9495.



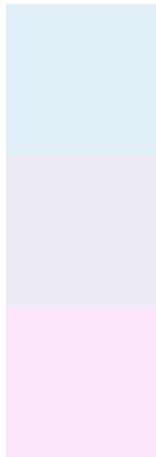
This preview shows how white text looks on a background with the XYZ color 78.5502, 84.3576,



# 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

78.5502, 84.3576, 100.9495

### Protanopia

81.6028, 84.2476, 99.1493

### Deuteranopia

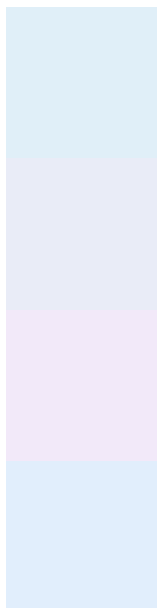
85.7826, 83.8234, 102.1008



## Tritanopia

79.9886, 84.5378, 106.7093

# Trichromacy



## Original Color

78.5502, 84.3576, 100.9495

## Protanomaly

80.3882, 84.0299, 99.9782

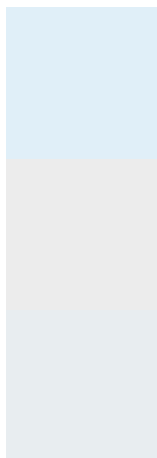
## Deuteranomaly

82.8557, 83.9946, 101.4681

## Tritanomaly

79.1966, 84.1849, 104.1707

# Monochromacy



## Original Color

78.5502, 84.3576, 100.9495

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.2911, 84.0154, 94.4756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5502, 84.3576, 100.9495 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(224, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(224, 239, 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(224, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 239, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5502, 84.3576, 100.9495 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(224, 239, 248) }
```



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

```
.border{ border-color:rgb(224, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(224, 239,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5502, 84.3576, 100.9495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 239, 248) }
```

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

```
.background{ background-color: rgb(224,  
239, 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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