

Converting Colors

XYZ(78.6210, 84.5539, 97.7692)

Have a look what the booklet for
XYZ(78.6210, 84.5539, 97.7692)
contains.

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Color

**XYZ(78.5597, 84.4334,
97.7447)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EFF4
RGB	226, 239, 244
RGB Percent	89%, 94%, 96%
CMY	0.1137, 0.0627, 0.0431
CMYK	0.07, 0.02, 0.00, 0.04
HSL	197°, 45%, 92%
HSV	197°, 7%, 96%
XYZ	78.5597, 84.4334, 97.7447
YIQ	235.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

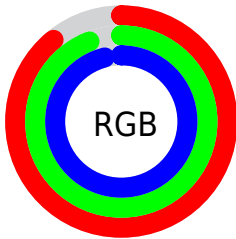
Format	Color
R _Y B	226, 234, 244
Decimal	14872564
CIE Lab	93.64, -3.34, -3.90
CIE LCh	94, 5.139, 229.399
Yxy	84.4334, 0.3013, 0.3238
Android (android.graphics.Color)	4293062644 (0xFFE2EFF4)
YUV	235.6830, 4.1003, -8.4920
Hunter-Lab	91.8876, -8.1941, 1.2521

Details

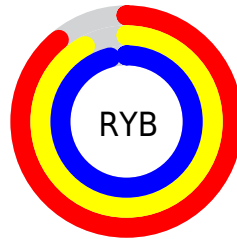
The XYZ color **78.5597, 84.4334, 97.7447** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.6120, 81.8754, 83.5605**, and the grayscale version is **79.4633, 83.6015, 91.0421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8052, 46.1557, 54.2298** is the 20% darker color. If you saturate the color by 10%, you get **69.5010, 76.8770, 96.7649**, and if you desaturate by 10%, it is **88.7864, 92.7069, 98.8039**.

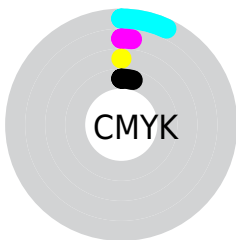
Distribution



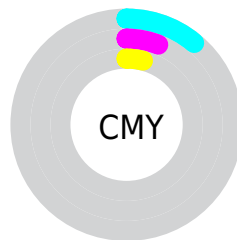
- Red (89%)
- Green (94%)
- Blue (96%)



- Red (89%)
- Yellow (92%)
- Blue (96%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5597, 84.4334, 97.7447 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 78.5597, 84.4334, 97.7447 by changing the saturation by 10% instead.

■ 78.5597, 84.4334,
97.7447

■ 78.5597, 84.4334,
97.7447

478.8763,
509.7513, 574.1223

■ 58.8382, 63.3733,
73.8120

130.3000,
139.5813, 160.0792

■ 42.7288, 46.1433,
54.1444

163.0496,
174.4379, 199.3180

■ 29.8660, 32.3589,
38.3231

200.8726,
214.6621, 244.4960

■ 19.8844, 21.6358,
25.9298

244.1344,
260.6383, 296.0318

■ 12.4189, 13.5895,
16.5458

293.2003,
312.7510, 354.3437

■ 7.1038, 7.8357,
9.7527

348.4357,

■ 3.5740, 3.9900,

371.3844, 419.8504

5.1318

410.2059,
436.9231, 492.9704

■ 1.4641, 1.6680,
2.2647

■ 0.3012, 0.4028,
0.7114

■ 78.5597, 84.4334,
97.7447

■ 78.5597, 84.4334,
97.7447

■ 69.5010, 76.8770,
96.7649

■ 88.7864, 92.7069,
98.8039

■ 61.5564, 70.0017,
95.8566

■ 92.5532, 97.7594,
99.5806

■ 54.6786, 63.7843,
95.0190

■ 93.3294, 99.3118,
99.8394

■ 48.8138, 58.1958,
94.2494

■ 43.9034, 53.2047,
93.5448

■ 39.8822, 48.7762,
92.9020

■ 36.6766, 44.8710,
92.3172

■ 34.2001, 41.4432,
91.7861

■ 32.3395, 38.4331,
91.3031

Harmonies

Analogous

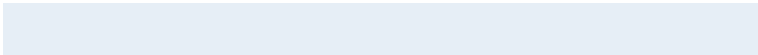
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8073, 84.4334, 94.4466



78.5597, 84.4334, 97.7447



79.7708, 84.4334, 99.5021

Triad

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



78.5597, 84.4334, 97.7447



82.8523, 84.4334, 93.3198



79.3850, 84.4334, 85.0413

Complementary

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



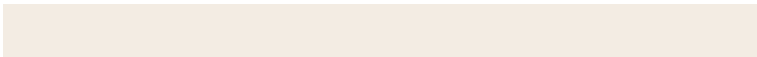
78.5597, 84.4334, 97.7447



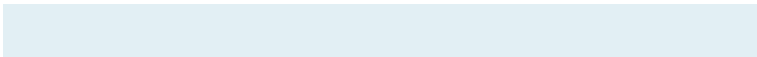
79.6120, 81.8754, 83.5605

Split Complementary

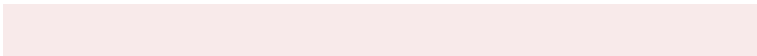
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7340, 84.4334, 84.7590



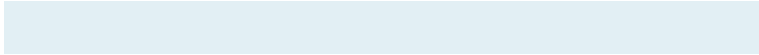
78.5597, 84.4334, 97.7447



82.7462, 84.4334, 89.4657

Square

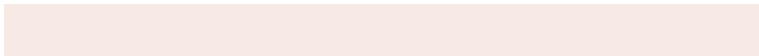
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



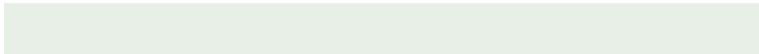
78.5597, 84.4334, 97.7447



82.2556, 84.4334, 96.8998



81.9672, 84.4334, 86.3575



78.2800, 84.4334, 87.1400

Rectangle

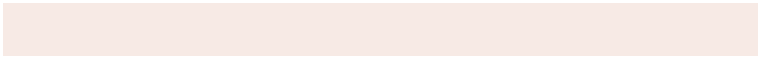
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5597, 84.4334, 97.7447



80.6797, 84.4334, 99.5309



81.9672, 84.4334, 86.3575



79.8246, 84.4334, 84.7332

Sweetspot

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



78.5621, 84.4370, 97.7466



92.7486, 98.1456, 108.6634



78.1117, 86.6298, 88.0590



19.8761, 21.0267, 23.2609



0.0000, 0.0000, 0.0000



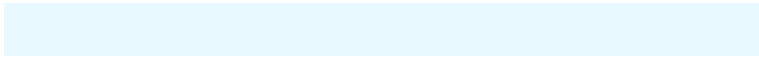
20.3446, 21.4041, 23.3091

Same Dimension

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



78.5621, 84.4370, 97.7466



85.1062, 91.9067, 107.8619



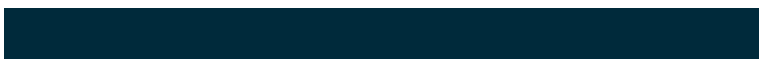
76.0471, 79.4070, 96.9082



16.5851, 17.9346, 21.1302



17.4703, 20.7343, 49.6194



1.6215, 1.9944, 4.3897

Inverse Universe

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



80.0865, 79.8595, 92.8589



87.1518, 85.8178, 101.2910



82.1383, 86.9280, 84.4026



17.0059, 16.6852, 19.7778



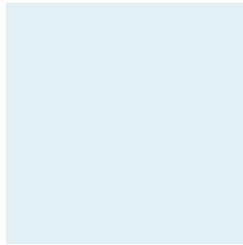
24.6227, 12.1925, 23.7852



2.2075, 1.0890, 2.3192

Previews

White Background



This preview shows how the XYZ color 78.5597, 84.4334, 97.7447 looks on a white background.

Color Contrast Check

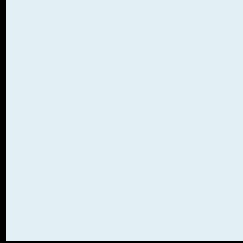
Large Text (above 18pt) WCAG AA × Fail

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 78.5597, 84.4334, 97.7447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

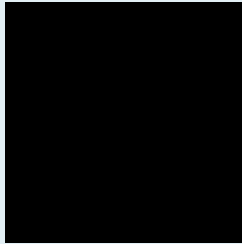
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

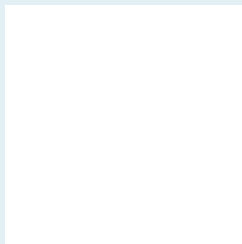
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5597, 84.4334, 97.7447

Background



This preview shows how black text looks on a background with the XYZ color 78.5597, 84.4334, 97.7447.



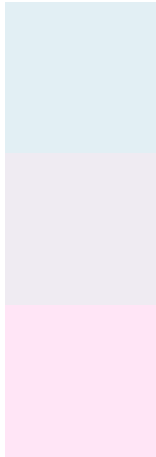
This preview shows how white text looks on a background with the XYZ color 78.5597, 84.4334,

97.7447.

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

78.5597, 84.4334, 97.7447

Protanopia

81.3319, 84.1782, 95.9658

Deuteranopia

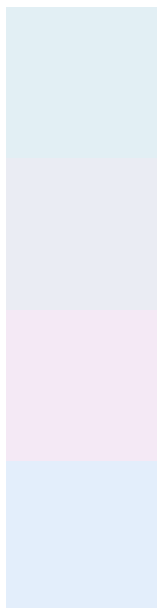
85.8939, 83.9524, 98.8661



Tritanopia

80.3291, 84.2824, 106.6421

Trichromacy



Original Color

78.5597, 84.4334, 97.7447

Protanomaly

80.1048, 83.9544, 96.7769

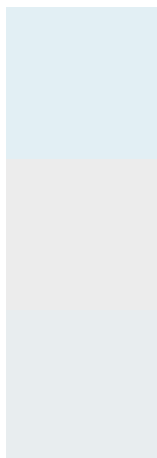
Deuteranomaly

82.9286, 84.1035, 98.2490

Tritanomaly

79.6657, 84.4450, 103.3675

Monochromacy



Original Color

78.5597, 84.4334, 97.7447

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.1429, 83.9562, 93.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5597, 84.4334, 97.7447 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(226, 239, 244) looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 244)  
}
```

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(226, 239, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 244) }
```

Border

The CSS property to change the border of an element to XYZ 78.5597, 84.4334, 97.7447 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(226, 239, 244) }
```


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

```
.border{ border-color:rgb(226, 239, 244) }
```

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

Here you see how a box with a 4 pixel rgb(226, 239, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5597, 84.4334, 97.7447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 244) }
```

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

```
.background{ background-color: rgb(226,  
239, 244) }
```

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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