

Converting Colors

XYZ(77.9587, 83.6883, 97.6104)

Have a look what the booklet for
XYZ(77.9587, 83.6883, 97.6104)
contains.

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Color

**XYZ(77.9550, 83.6883,
97.6327)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EEF4
RGB	225, 238, 244
RGB Percent	88%, 93%, 96%
CMY	0.1176, 0.0666, 0.0431
CMYK	0.08, 0.02, 0.00, 0.04
HSL	199°, 46%, 92%
HSV	199°, 8%, 96%
XYZ	77.9550, 83.6883, 97.6327
YIQ	234.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

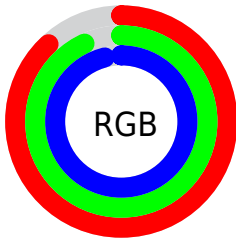
Format	Color
R _Y B	225, 233, 244
Decimal	14806772
CIE Lab	93.31, -3.16, -4.39
CIE LCh	93, 5.404, 234.252
Yxy	83.6883, 0.3007, 0.3228
Android (android.graphics.Color)	4292996852 (0xFFE1EEF4)
YUV	234.7970, 4.5371, -8.5920
Hunter-Lab	91.4813, -7.9851, 0.7601

Details

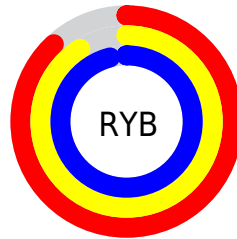
The XYZ color **77.9550, 83.6883, 97.6327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.4750, 81.8205, 82.8397**, and the grayscale version is **78.7851, 82.8881, 90.2651**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3826, 45.6328, 54.1512** is the 20% darker color. If you saturate the color by 10%, you get **68.6916, 75.6576, 96.5722**, and if you desaturate by 10%, it is **88.4062, 92.4782, 98.7798**.

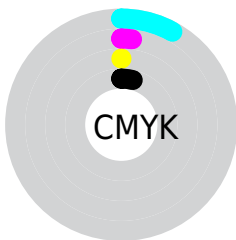
Distribution



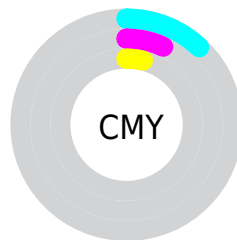
- Red (88%)
- Green (93%)
- Blue (96%)



- Red (88%)
- Yellow (91%)
- Blue (96%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9550, 83.6883, 97.6327 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 77.9550, 83.6883, 97.6327 by changing the saturation by 10% instead.

■ 77.9550, 83.6883,
97.6327

■ 77.9550, 83.6883,
97.6327

476.8561,
507.2776, 573.7576

■ 58.3397, 62.7581,
73.7192

129.4524,
138.5391, 159.9235

■ 42.3261, 45.6456,
54.0688

162.0652,
173.2285, 199.1379

■ 29.5489, 31.9662,
38.2631

199.7411,
213.2730, 244.2896

■ 19.6428, 21.3357,
25.8836

242.8456,
259.0572, 295.7973

■ 12.2424, 13.3696,
16.5116

291.7440,
310.9653, 354.0794

■ 6.9824, 7.6835,
9.7286

346.8016,

■ 3.4973, 3.8931,

369.3818, 419.5544

5.1161

408.3839,
434.6911, 492.6410

■ 1.4219, 1.6140,
2.2556

■ 0.2717, 0.3670,
0.7062

■ 77.9550, 83.6883,
97.6327

■ 77.9550, 83.6883,
97.6327

■ 68.6916, 75.6576,
96.5722

■ 88.4062, 92.4782,
98.7798

■ 60.5616, 68.3496,
95.5901

■ 92.8231, 98.2992,
99.6705

■ 53.5171, 61.7399,
94.6856

■ 93.3294, 99.3117,
99.8393

■ 47.5038, 55.7989,
93.8558

■ 42.4623, 50.4940,
93.0975

■ 38.3270, 45.7895,
92.4074

■ 35.0231, 41.6449,
91.7816

■ 32.4631, 38.0131,
91.2155

■ 30.5293, 34.8313,
90.7033

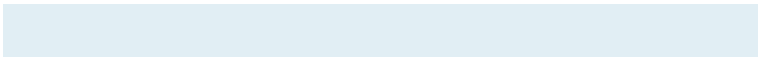
Harmonies

Analogous

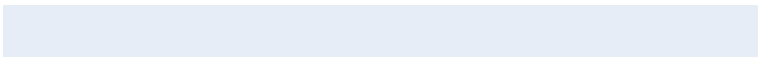
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0740, 83.6883, 94.3798



77.9550, 83.6883, 97.6327



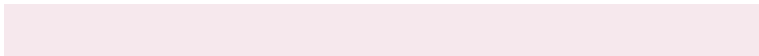
79.2694, 83.6883, 99.1455

Triad

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



77.9550, 83.6883, 97.6327



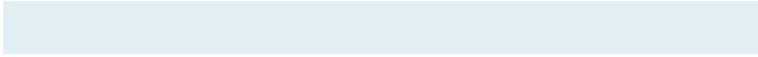
82.2974, 83.6883, 91.9097



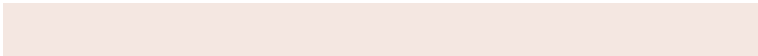
78.4244, 83.6883, 84.1613

Complementary

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



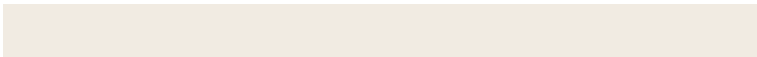
77.9550, 83.6883, 97.6327



79.4750, 81.8205, 82.8397

Split Complementary

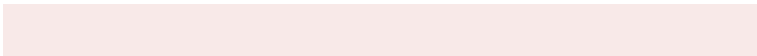
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8177, 83.6883, 83.5442



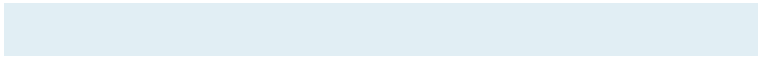
77.9550, 83.6883, 97.6327



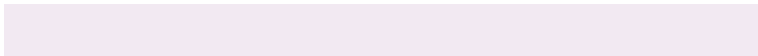
82.0647, 83.6883, 87.9407

Square

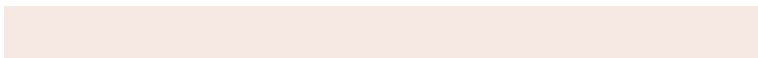
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



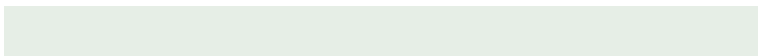
77.9550, 83.6883, 97.6327



81.7851, 83.6883, 95.7786



81.1529, 83.6883, 84.9080



77.3427, 83.6883, 86.6195

Rectangle

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



77.9550, 83.6883, 97.6327



80.2189, 83.6883, 98.9321



81.1529, 83.6883, 84.9080



78.8714, 83.6883, 83.7348

Sweetspot

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



77.9574, 83.6918, 97.6345



92.6872, 98.0229, 108.6429



77.7848, 86.4629, 87.9700



19.8637, 21.0017, 23.2568



0.0000, 0.0000, 0.0000



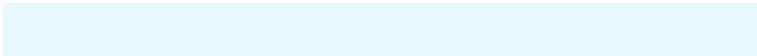
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9574, 83.6918, 97.6345



84.8377, 91.3697, 107.7724



75.3458, 78.4686, 96.7640



16.5299, 17.8241, 21.1117



16.5203, 18.8345, 49.3027



1.5439, 1.8392, 4.3639

Inverse Universe

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



79.6679, 79.2582, 91.9925



87.0163, 85.7636, 100.5773



82.1191, 87.1087, 83.7210



16.9780, 16.6741, 19.6310



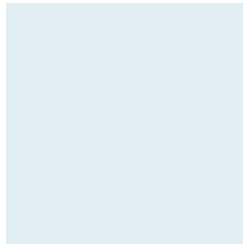
24.1432, 12.0007, 21.2603



2.1684, 1.0733, 2.1129

Previews

White Background



This preview shows how the XYZ color 77.9550, 83.6883, 97.6327 looks on a white background.

Color Contrast Check

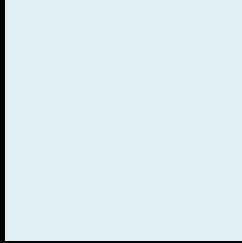
Large Text (above 18pt) WCAG AA × Fail

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 77.9550, 83.6883, 97.6327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

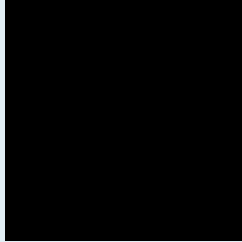
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

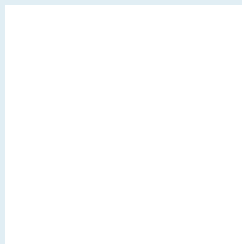
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9550, 83.6883, 97.6327

Background



This preview shows how black text looks on a background with the XYZ color 77.9550, 83.6883, 97.6327.



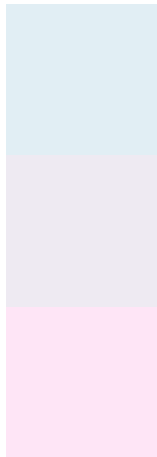
This preview shows how white text looks on a background with the XYZ color 77.9550, 83.6883,

97.6327.

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

77.9550, 83.6883, 97.6327

Protanopia

80.7097, 83.4336, 95.8548

Deuteranopia

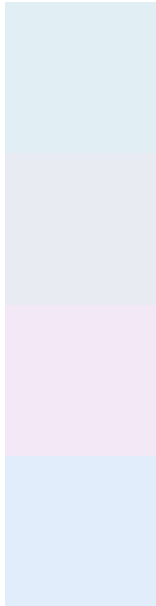
85.5269, 83.7633, 98.8490



Tritanopia

79.7240, 83.5418, 106.5310

Trichromacy



Original Color

77.9550, 83.6883, 97.6327

Protanomaly

79.4903, 83.2114, 96.6658

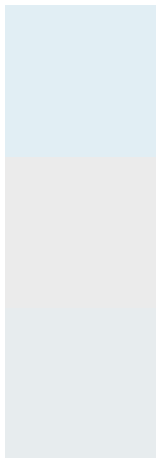
Deuteranomaly

82.3002, 83.3605, 98.1387

Tritanomaly

79.0608, 83.7022, 103.2560

Monochromacy



Original Color

77.9550, 83.6883, 97.6327

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3831, 83.1529, 92.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9550, 83.6883, 97.6327 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(225, 238, 244) looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 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(225, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 244) }
```

Border

The CSS property to change the border of an element to XYZ 77.9550, 83.6883, 97.6327 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(225, 238, 244) }
```


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

```
.border{ border-color:rgb(225, 238, 244) }
```

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

Here you see how a box with a 4 pixel rgb(225, 238, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(225, 238,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9550, 83.6883, 97.6327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 244) }
```

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

```
.background{ background-color: rgb(225,  
238, 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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