

Converting Colors

XYZ(77.4338, 83.5322, 98.1709)

Have a look what the booklet for
XYZ(77.4338, 83.5322, 98.1709)
contains.

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Color

**XYZ(77.4874, 83.4296,
98.4057)**

Conversions

Conversions Part 1

Format	Color
Hex	DFEEF5
RGB	223, 238, 245
RGB Percent	87%, 93%, 96%
CMY	0.1255, 0.0666, 0.0392
CMYK	0.09, 0.03, 0.00, 0.04
HSL	199°, 52%, 92%
HSV	199°, 9%, 96%
XYZ	77.4874, 83.4296, 98.4057
YIQ	234.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

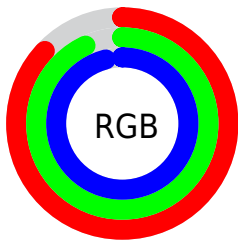
Format	Color
R _{YB}	223, 232, 245
Decimal	14675701
CIE Lab	93.20, -3.61, -5.09
CIE LCh	93, 6.238, 234.652
Yxy	83.4296, 0.2988, 0.3217
Android (android.graphics.Color)	4292865781 (0xFFDFEEF5)
YUV	234.3130, 5.2687, -9.9215
Hunter-Lab	91.3398, -8.4156, 0.0613

Details

The XYZ color **77.4874, 83.4296, 98.4057** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.2727, 81.3334, 81.3343**, and the grayscale version is **78.4132, 82.4968, 89.8390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0617, 45.4549, 54.7009** is the 20% darker color. If you saturate the color by 10%, you get **68.2592, 75.3794, 97.3395**, and if you desaturate by 10%, it is **87.9108, 92.2463, 99.5594**.

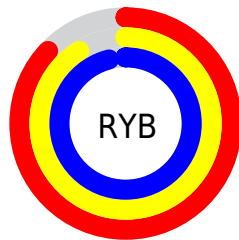
Distribution



Red (87%)

Green (93%)

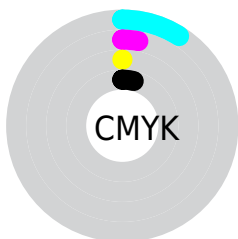
Blue (96%)



Red (87%)

Yellow (91%)

Blue (96%)

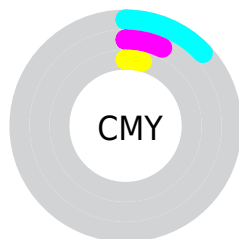


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (13%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4874, 83.4296, 98.4057 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 77.4874, 83.4296, 98.4057 by changing the saturation by 10% instead.

■ 77.4874, 83.4296,
98.4057

■ 77.4874, 83.4296,
98.4057

475.2907,
506.4172, 576.2720

■ 57.9543, 62.5446,
74.3603

128.7965,
138.1770, 160.9972

■ 42.0150, 45.4729,
54.5904

161.3031,
172.8082, 200.3805

■ 29.3042, 31.8301,
38.6775

198.8651,
212.7902, 245.7133

■ 19.4565, 21.2317,
26.2030

241.8476,
258.5075, 297.4145

■ 12.1066, 13.2935,
16.7485

290.6160,
310.3445, 355.9023

■ 6.8890, 7.6310,
9.8953

345.5358,

■ 3.4385, 3.8597,

368.6855, 421.5955

5.2249

406.9723,
433.9149, 494.9126

■ 1.3897, 1.5954,
2.3188

■ 0.2488, 0.3545,
0.7417

■ 77.4874, 83.4296,
98.4057

■ 77.4874, 83.4296,
98.4057

■ 68.2592, 75.3794,
97.3395

■ 87.9108, 92.2463,
99.5594

■ 60.1711, 68.0586,
96.3528

■ 93.0330, 98.4754,
100.4918

■ 53.1742, 61.4424,
95.4445

■ 93.4817, 99.3727,
100.6413

■ 47.2131, 55.5003,
94.6117

■ 42.2271, 50.1992,
93.8513

■ 38.1488, 45.5024,
93.1597

■ 34.9016, 41.3682,
92.5329

■ 32.3948, 37.7480,
91.9662

■ 30.4936, 34.5700,
91.4530

Harmonies

Analogous

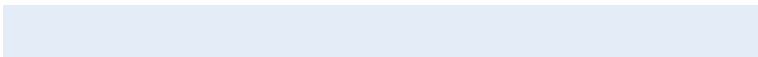
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4665, 83.4296, 94.6588



77.4874, 83.4296, 98.4057



79.0039, 83.4296, 100.1298

Triad

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



77.4874, 83.4296, 98.4057



82.4778, 83.4296, 91.6848



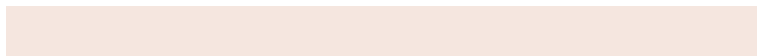
77.9896, 83.4296, 82.8795

Complementary

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



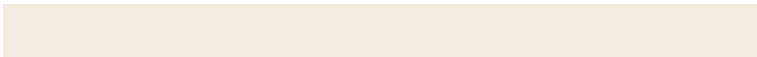
77.4874, 83.4296, 98.4057



79.2727, 81.3334, 81.3343

Split Complementary

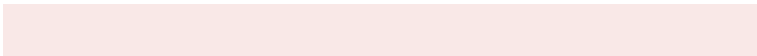
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5915, 83.4296, 82.1446



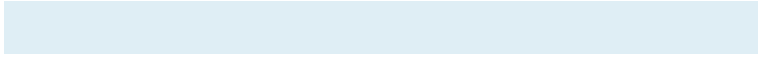
77.4874, 83.4296, 98.4057



82.1972, 83.4296, 87.1265

Square

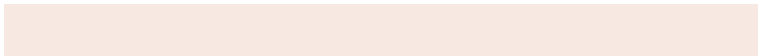
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4874, 83.4296, 98.4057



81.8966, 83.4296, 96.1649



81.1352, 83.4296, 83.6736



76.7536, 83.4296, 85.7167

Rectangle

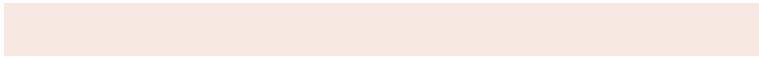
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4874, 83.4296, 98.4057



80.0974, 83.4296, 99.8587



81.1352, 83.4296, 83.6736



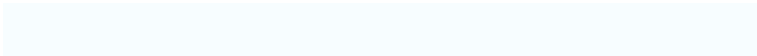
78.5026, 83.4296, 82.3826

Sweetspot

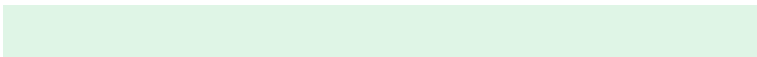
The Sweet Spot groups the original color and five complimentary colors.



77.4898, 83.4331, 98.4075



91.5201, 97.0354, 108.5138



77.3635, 86.7055, 87.4981



19.3915, 20.6028, 23.2046



0.0000, 0.0000, 0.0000



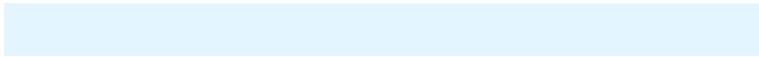
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4898, 83.4331, 98.4075



82.6927, 89.5026, 107.5251



74.3925, 77.2385, 97.3751



16.5264, 17.8170, 21.1106



16.4618, 18.7174, 49.2832



1.5391, 1.8296, 4.3623

Inverse Universe

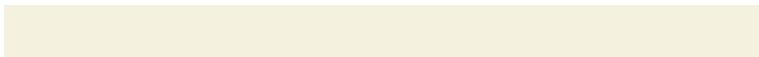
The Inverse Universe completely reimagines the original color for something new.



79.4784, 78.3626, 91.8295



85.3422, 82.8295, 98.7424



82.4223, 87.6325, 82.3842



16.9763, 16.6734, 19.6216



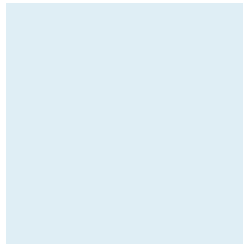
24.1137, 11.9889, 21.1047



2.1659, 1.0723, 2.1001

Previews

White Background



This preview shows how the XYZ color 77.4874, 83.4296, 98.4057 looks on a white background.

Color Contrast Check

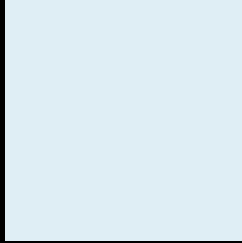
Large Text (above 18pt) WCAG AA × Fail

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 77.4874, 83.4296, 98.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

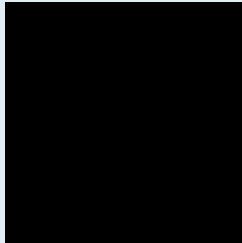
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

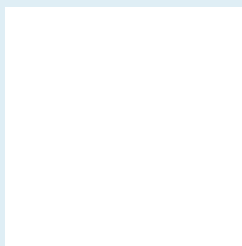
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4874, 83.4296, 98.4057

Background



This preview shows how black text looks on a background with the XYZ color 77.4874, 83.4296, 98.4057.

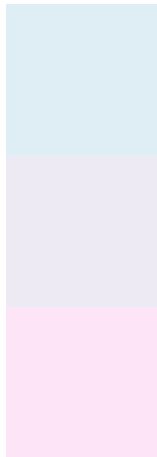


This preview shows how white text looks on a background with the XYZ color 77.4874, 83.4296,

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

77.4874, 83.4296, 98.4057

Protanopia

80.5255, 83.3212, 96.6325

Deuteranopia

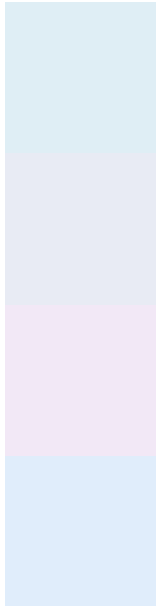
85.0399, 83.0849, 99.5506



Tritanopia

79.0968, 83.2185, 106.5017

Trichromacy



Original Color

77.4874, 83.4296, 98.4057

Protanomaly

79.3162, 83.1041, 97.4482

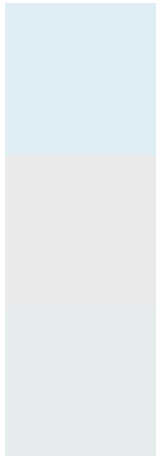
Deuteranomaly

82.1091, 83.2443, 98.9289

Tritanomaly

78.4372, 83.3807, 103.2268

Monochromacy



Original Color

77.4874, 83.4296, 98.4057

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7741, 82.4127, 92.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4874, 83.4296, 98.4057 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(223, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 245)  
}
```

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(223, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 245) }
```

Border

The CSS property to change the border of an element to XYZ 77.4874, 83.4296, 98.4057 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(223, 238, 245) }
```


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

```
.border{ border-color:rgb(223, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4874, 83.4296, 98.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 245) }
```

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

```
.background{ background-color: rgb(223,  
238, 245) }
```

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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