

Converting Colors

XYZ(77.5406, 84.0282, 98.8640)

Have a look what the booklet for
XYZ(77.5406, 84.0282, 98.8640)
contains.

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Color

**XYZ(77.4721, 83.8552,
98.4887)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEFF5
RGB	222, 239, 245
RGB Percent	87%, 94%, 96%
CMY	0.1294, 0.0627, 0.0392
CMYK	0.09, 0.02, 0.00, 0.04
HSL	196°, 53%, 92%
HSV	196°, 9%, 96%
XYZ	77.4721, 83.8552, 98.4887
YIQ	234.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

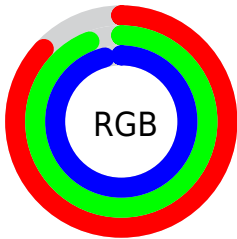
Format	Color
R _Y B	222, 232, 245
Decimal	14610421
CIE Lab	93.39, -4.44, -4.82
CIE LCh	93, 6.554, 227.374
Yxy	83.8552, 0.2982, 0.3227
Android (android.graphics.Color)	4292800501 (0xFFDEEFF5)
YUV	234.6010, 5.1267, -11.0511
Hunter-Lab	91.5725, -9.2374, 0.3327

Details

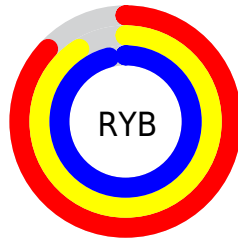
The XYZ color **77.4721, 83.8552, 98.4887** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5847, 80.1725, 80.4415**, and the grayscale version is **78.6332, 82.7283, 90.0911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0551, 45.7566, 54.7595** is the 20% darker color. If you saturate the color by 10%, you get **68.6701, 76.5926, 97.5521**, and if you desaturate by 10%, it is **87.4354, 91.8192, 99.5021**.

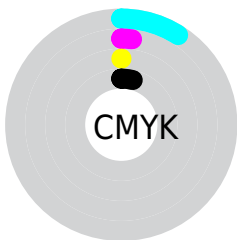
Distribution



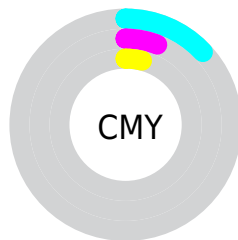
- Red (87%)
- Green (94%)
- Blue (96%)



- Red (87%)
- Yellow (91%)
- Blue (96%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4721, 83.8552, 98.4887 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 77.4721, 83.8552, 98.4887 by changing the saturation by 10% instead.

■ 77.4721, 83.8552,
98.4887

■ 77.4721, 83.8552,
98.4887

475.2394,
507.8323, 576.5416

■ 57.9417, 62.8959,
74.4292

128.7750,
138.7726, 161.1125

■ 42.0049, 45.7570,
54.6464

161.2782,
173.4995, 200.5138

■ 29.2962, 32.0541,
38.7220

198.8364,
213.5844, 245.8661

■ 19.4504, 21.4028,
26.2374

241.8149,
259.4116, 297.5880

■ 12.1021, 13.4188,
16.7740

290.5791,
311.3656, 356.0979

■ 6.8860, 7.7175,
9.9132

345.4944,

■ 3.4366, 3.9147,

369.8308, 421.8144

5.2366

406.9260,
435.1916, 495.1562

■ 1.3886, 1.6260,
2.3256

■ 0.2481, 0.3750,
0.7455

■ 77.4721, 83.8552,
98.4887

■ 77.4721, 83.8552,
98.4887

■ 68.6701, 76.5926,
97.5521

■ 87.4354, 91.8192,
99.5021

■ 60.9747, 69.9953,
96.6843

■ 92.4631, 97.3355,
100.3019

■ 54.3374, 64.0395,
95.8845

■ 93.4817, 99.3727,
100.6414

■ 48.7031, 58.6959,
95.1501

■ 44.0116, 53.9324,
94.4779

■ 40.1957, 49.7132,
93.8646

■ 37.1791, 45.9979,
93.3065

■ 34.8709, 42.7386,
92.7990

■ 33.1300, 39.8614,
92.3354

Harmonies

Analogous

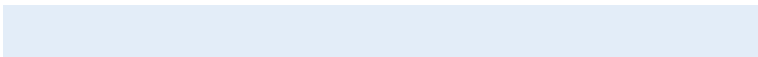
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5716, 83.8552, 94.1761



77.4721, 83.8552, 98.4887



78.9775, 83.8552, 100.9114

Triad

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



77.4721, 83.8552, 98.4887



82.9894, 83.8552, 93.4006



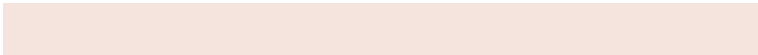
78.7135, 83.8552, 82.5173

Complementary

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



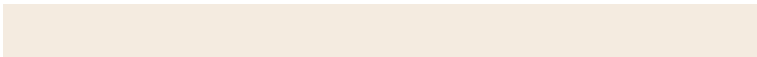
77.4721, 83.8552, 98.4887



78.5847, 80.1725, 80.4415

Split Complementary

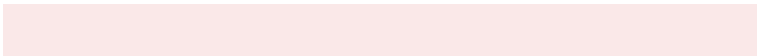
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4306, 83.8552, 82.3267



77.4721, 83.8552, 98.4887



82.9162, 83.8552, 88.4910

Square

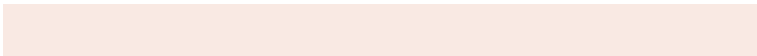
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4721, 83.8552, 98.4887



82.1726, 83.8552, 97.9033



81.9740, 83.8552, 84.4776



77.2812, 83.8552, 85.0082

Rectangle

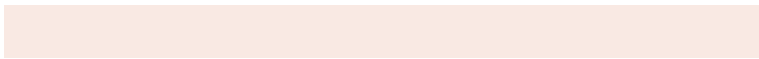
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4721, 83.8552, 98.4887



80.1292, 83.8552, 101.0734



81.9740, 83.8552, 84.4776



79.2760, 83.8552, 82.1854

Sweetspot

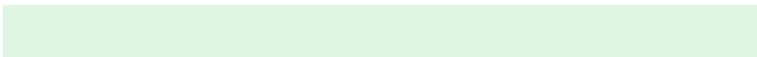
The Sweet Spot groups the original color and five complimentary colors.



77.4745, 83.8587, 98.4906



91.6584, 97.3119, 108.5599



76.7468, 86.4234, 85.8546



19.4289, 20.6775, 23.2171



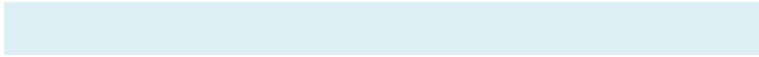
0.0000, 0.0000, 0.0000



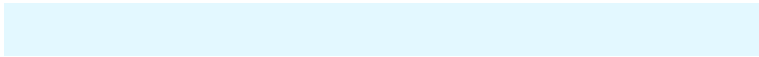
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4745, 83.8587, 98.4906



83.1841, 90.4853, 107.6889



74.2816, 77.4729, 97.4263



16.6097, 17.9838, 21.1384



17.9128, 21.6194, 49.7669



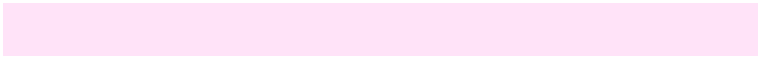
1.6574, 2.0662, 4.4017

Inverse Universe

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



79.3593, 77.8886, 92.5169



85.5902, 82.9287, 100.0484



81.7821, 86.5673, 81.5073



17.0183, 16.6902, 19.8432



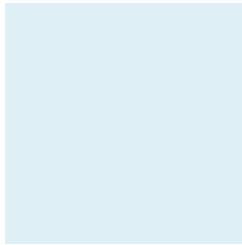
24.8461, 12.2819, 24.9615



2.2256, 1.0962, 2.4145

Previews

White Background



This preview shows how the XYZ color 77.4721, 83.8552, 98.4887 looks on a white background.

Color Contrast Check

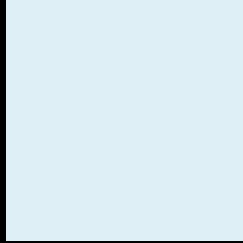
Large Text (above 18pt) WCAG AA × Fail

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 77.4721, 83.8552, 98.4887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

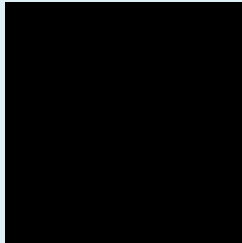
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

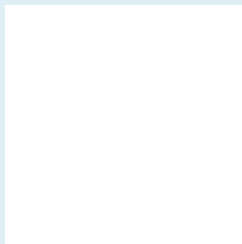
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4721, 83.8552, 98.4887

Background



This preview shows how black text looks on a background with the XYZ color 77.4721, 83.8552, 98.4887.



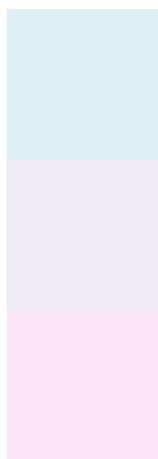
This preview shows how white text looks on a background with the XYZ color 77.4721, 83.8552,

98.4887.

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

77.4721, 83.8552, 98.4887

Protanopia

80.7097, 83.4336, 95.8548

Deuteranopia

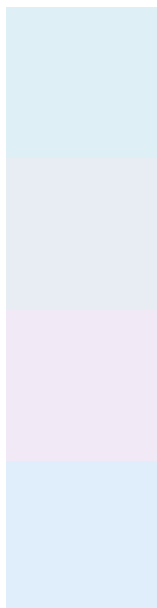
85.3158, 83.6367, 99.6426



Tritanopia

79.3855, 83.7959, 106.5979

Trichromacy



Original Color

77.4721, 83.8552, 98.4887

Protanomaly

79.4518, 83.6178, 96.7463

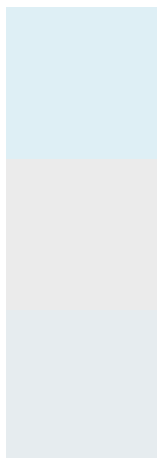
Deuteranomaly

82.3914, 83.8089, 99.0230

Tritanomaly

78.7276, 83.9614, 103.3236

Monochromacy



Original Color

77.4721, 83.8552, 98.4887

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2086, 83.0459, 93.5688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4721, 83.8552, 98.4887 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, 239, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 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(222, 239, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 245) }
```

Border

The CSS property to change the border of an element to XYZ 77.4721, 83.8552, 98.4887 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, 239, 245) }
```


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

```
.border{ border-color:rgb(222, 239, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 239, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 239, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 239, 245);  
box-shadow:4px 4px 4px 4px rgb(222, 239,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4721, 83.8552, 98.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 245) }
```

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

```
.background{ background-color: rgb(222,  
239, 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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