

Converting Colors

XYZ(77.2485, 82.8982,
100.2087)

Have a look what the booklet for
XYZ(77.2485, 82.8982, 100.2087)
contains.

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Color

**XYZ(77.1969, 82.8134,
99.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEDF7
RGB	222, 237, 247
RGB Percent	87%, 93%, 97%
CMY	0.1294, 0.0706, 0.0314
CMYK	0.10, 0.04, 0.00, 0.03
HSL	204°, 61%, 92%
HSV	204°, 10%, 97%
XYZ	77.1969, 82.8134, 99.9116
YIQ	233.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

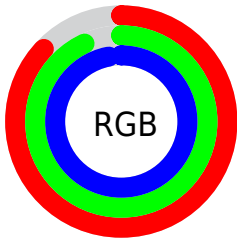
Format	Color
R _Y B	222, 231, 247
Decimal	14609911
CIE Lab	92.93, -3.03, -6.53
CIE LCh	93, 7.203, 245.110
Yxy	82.8134, 0.2970, 0.3186
Android (android.graphics.Color)	4292799991 (0xFFDEEDF7)
YUV	233.6550, 6.5791, -10.2214
Hunter-Lab	91.0019, -7.8317, -1.3936

Details

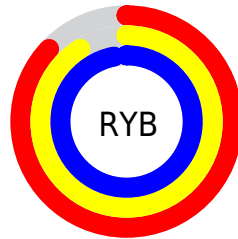
The XYZ color **77.1969, 82.8134, 99.9116** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3996, 82.7608, 80.8456**, and the grayscale version is **77.9064, 81.9636, 89.2584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8642, 45.0248, 55.7744** is the 20% darker color. If you saturate the color by 10%, you get **67.3982, 73.6352, 98.6578**, and if you desaturate by 10%, it is **88.2662, 92.8849, 101.2735**.

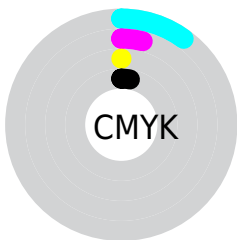
Distribution



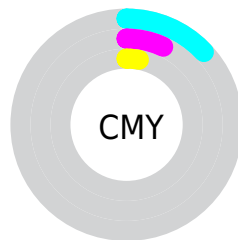
- Red (87%)
- Green (93%)
- Blue (97%)



- Red (87%)
- Yellow (91%)
- Blue (97%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1969, 82.8134, 99.9116 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 77.1969, 82.8134, 99.9116 by changing the saturation by 10% instead.

■ 77.1969, 82.8134,
99.9116

■ 77.1969, 82.8134,
99.9116

474.3167,
504.3644, 581.1535

■ 57.7150, 62.0362,
75.6102

128.3888,
137.3141, 163.0865

■ 41.8219, 45.0620,
55.6082

160.8294,
171.8064, 202.7971

■ 29.1524, 31.5062,
39.4870

198.3203,
211.6392, 248.4813

■ 19.3410, 20.9846,
26.8281

241.2269,
257.1969, 300.5575

■ 12.0224, 13.1128,
17.2128

289.9145,
308.8638, 359.4442

■ 6.8312, 7.5063,
10.2228

344.7484,

■ 3.4022, 3.7807,

367.0245, 425.5601

5.4394

406.0940,
432.0632, 499.3237

■ 1.3698, 1.5516,
2.4441

■ 0.2346, 0.3247,
0.8103

■ 77.1969, 82.8134,
99.9116

■ 77.1969, 82.8134,
99.9116

■ 67.3982, 73.6352,
98.6578

■ 88.2662, 92.8849,
101.2735

■ 58.8123, 65.3102,
97.5034

■ 93.7888, 99.4955,
102.2584

■ 51.3876, 57.8101,
96.4471

■ 45.0657, 51.1008,
95.4852

■ 39.7827, 45.1454,
94.6142

■ 35.4674, 39.9032,
93.8298

■ 32.0387, 35.3280,
93.1274

■ 29.4006, 31.3658,
92.5017

■ 27.4157, 27.9693,
91.9507

Harmonies

Analogous

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



75.7854, 82.8134, 96.2691



77.1969, 82.8134, 99.9116



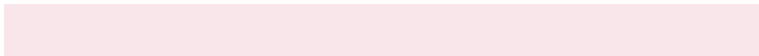
79.0347, 82.8134, 100.9025

Triad

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



77.1969, 82.8134, 99.9116



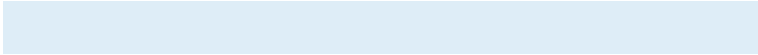
82.3751, 82.8134, 89.2488



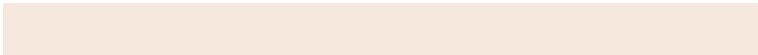
76.6466, 82.8134, 81.9465

Complementary

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



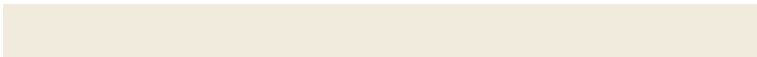
77.1969, 82.8134, 99.9116



80.3996, 82.7608, 80.8456

Split Complementary

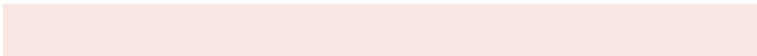
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3894, 82.8134, 80.2264



77.1969, 82.8134, 99.9116



81.7123, 82.8134, 84.3336

Square

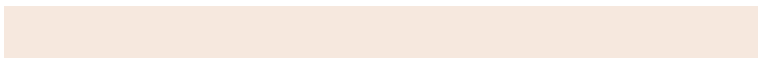
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



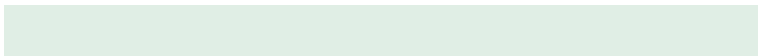
77.1969, 82.8134, 99.9116



82.0435, 82.8134, 94.6068



80.2461, 82.8134, 81.0826



75.4712, 82.8134, 85.8735

Rectangle

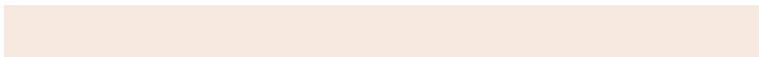
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1969, 82.8134, 99.9116



80.2589, 82.8134, 99.8935



80.2461, 82.8134, 81.0826



77.1844, 82.8134, 81.0983

Sweetspot

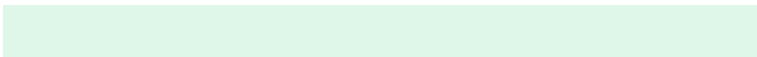
The Sweet Spot groups the original color and five complimentary colors.



77.1993, 82.8169, 99.9134



91.3232, 96.6417, 108.4482



77.8927, 87.8551, 88.8877



19.3383, 20.4964, 23.1869



0.0000, 0.0000, 0.0000



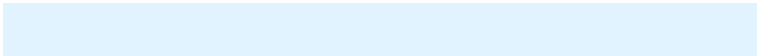
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1993, 82.8169, 99.9134



80.8947, 87.0915, 107.1545



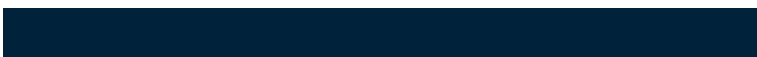
73.8168, 76.0519, 98.7859



16.4084, 17.5811, 21.0712



14.6418, 15.0774, 48.6765



1.3872, 1.5259, 4.3117

Inverse Universe

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



79.7670, 78.1328, 91.0018



84.1454, 81.2434, 95.8541



83.9197, 89.8010, 82.0190



16.9167, 16.6495, 19.3080



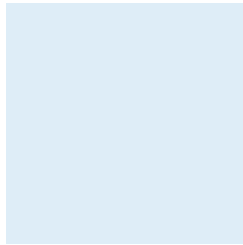
23.1950, 11.6214, 16.2672



2.0893, 1.0417, 1.6965

Previews

White Background



This preview shows how the XYZ color 77.1969, 82.8134, 99.9116 looks on a white background.

Color Contrast Check

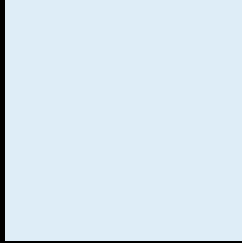
Large Text (above 18pt) WCAG AA × Fail

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 77.1969, 82.8134, 99.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

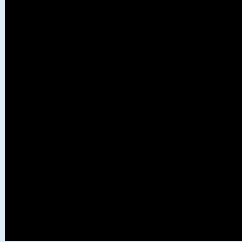
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

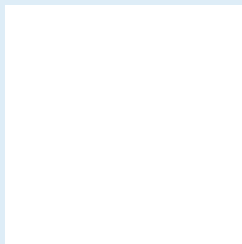
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1969, 82.8134, 99.9116

Background



This preview shows how black text looks on a background with the XYZ color 77.1969, 82.8134, 99.9116.



This preview shows how white text looks on a background with the XYZ color 77.1969, 82.8134,

99.9116.

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

77.1969, 82.8134, 99.9116

Protanopia

80.2124, 82.7033, 98.1219

Deuteranopia

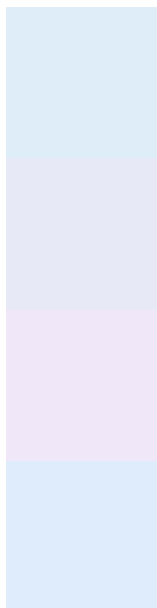
84.6259, 82.8356, 101.1511



Tritanopia

78.4769, 82.8989, 106.4727

Trichromacy



Original Color

77.1969, 82.8134, 99.9116

Protanomaly

79.0124, 82.4884, 98.9462

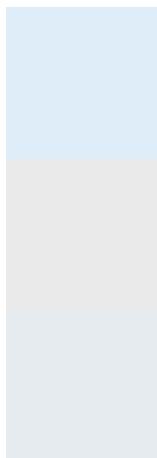
Deuteranomaly

81.4544, 82.4544, 100.4291

Tritanomaly

77.9976, 82.7072, 103.9486

Monochromacy



Original Color

77.1969, 82.8134, 99.9116

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9214, 82.4717, 93.4731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1969, 82.8134, 99.9116 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, 237, 247)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 247)  
}
```

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, 237, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 247) }
```

Border

The CSS property to change the border of an element to XYZ 77.1969, 82.8134, 99.9116 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, 237, 247) }
```


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

```
.border{ border-color:rgb(222, 237, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 247);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1969, 82.8134, 99.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 247) }
```

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

```
.background{ background-color: rgb(222,  
237, 247) }
```

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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