

Converting Colors

XYZ(77.3140, 81.2436, 96.4090)

Have a look what the booklet for
XYZ(77.3140, 81.2436, 96.4090)
contains.

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Color

**XYZ(77.3115, 81.2429,
96.4007)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E9F3
RGB	228, 233, 243
RGB Percent	89%, 91%, 95%
CMY	0.1059, 0.0863, 0.0471
CMYK	0.06, 0.04, 0.00, 0.05
HSL	220°, 38%, 92%
HSV	220°, 6%, 95%
XYZ	77.3115, 81.2429, 96.4007
YIQ	232.6450, -6.1900, 2.0500

Conversions

Conversions Part 2

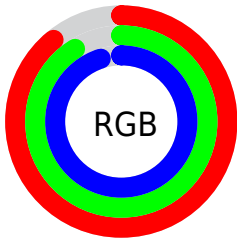
Format	Color
R _Y B	228, 232, 243
Decimal	15002099
CIE Lab	92.24, 0.19, -5.43
CIE LCh	92, 5.428, 271.967
Yxy	81.2429, 0.3032, 0.3187
Android (android.graphics.Color)	4293192179 (0xFFE4E9F3)
YUV	232.6450, 5.1050, -4.0737
Hunter-Lab	90.1348, -4.6309, -0.3172

Details

The XYZ color **77.3115, 81.2429, 96.4007** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.5405, 85.8044, 85.6644**, and the grayscale version is **77.1535, 81.1715, 88.3957**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9254, 43.9164, 53.2807** is the 20% darker color. If you saturate the color by 10%, you get **65.7623, 68.7949, 94.6079**, and if you desaturate by 10%, it is **90.3697, 95.0979, 98.3880**.

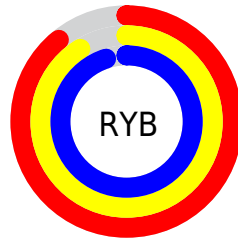
Distribution



Red (89%)

Green (91%)

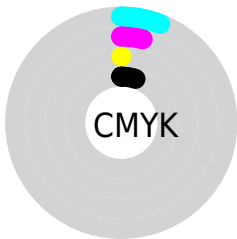
Blue (95%)



Red (89%)

Yellow (91%)

Blue (95%)

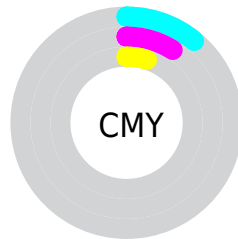


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3115, 81.2429, 96.4007 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 77.3115, 81.2429, 96.4007 by changing the saturation by 10% instead.

■ 77.3115, 81.2429,
96.4007

■ 77.3115, 81.2429,
96.4007

474.7011,
499.1117, 569.7380

■ 57.8094, 60.7417,
72.6980

128.5496,
135.1118, 158.2105

■ 41.8981, 44.0167,
53.2388

161.0163,
169.2482, 197.1547

■ 29.2123, 30.6837,
37.6044

198.5353,
208.6985, 242.0165

■ 19.3865, 20.3581,
25.3763

241.4718,
253.8471, 293.2144

■ 12.0556, 12.6556,
16.1361

290.1913,
305.0783, 351.1669

■ 6.8540, 7.1918,
9.4651

345.0591,

■ 3.4165, 3.5824,

362.7765, 416.2927

4.9448

406.4406,
427.3262, 489.0102

■ 1.3776, 1.4428,
2.1568

■ 0.2402, 0.2479,
0.6493

■ 77.3115, 81.2429,
96.4007

■ 77.3115, 81.2429,
96.4007

■ 65.7623, 68.7949,
94.6079

■ 90.3697, 95.0979,
98.3880

■ 55.6587, 57.6977,
92.9985

■ 93.1779, 99.2512,
99.0416

■ 46.9434, 47.9067,
91.5680

■ 39.5521, 39.3704,
90.3099

■ 33.4153, 32.0338,
89.2172

■ 28.4567, 25.8374,
88.2825

■ 24.5910, 20.7157,
87.4977

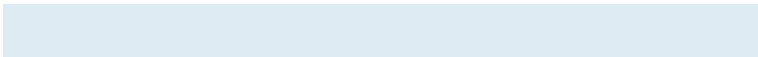
■ 21.7198, 16.5951,
86.8537

■ 19.7234, 13.3894,
86.3401

Harmonies

Analogous

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



75.9591, 81.2429, 95.4496



77.3115, 81.2429, 96.4007



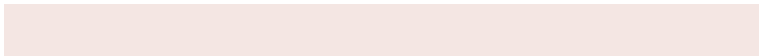
78.6547, 81.2429, 95.1711

Triad

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



77.3115, 81.2429, 96.4007



79.5281, 81.2429, 84.4356



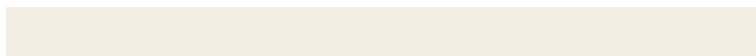
74.8642, 81.2429, 84.8813

Complementary

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



77.3115, 81.2429, 96.4007



81.5405, 85.8044, 85.6644

Split Complementary

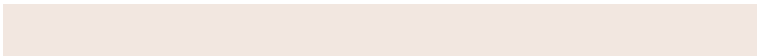
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8007, 81.2429, 82.0715



77.3115, 81.2429, 96.4007



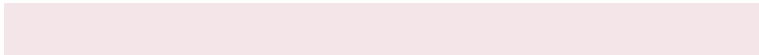
78.4926, 81.2429, 81.8196

Square

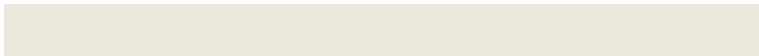
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



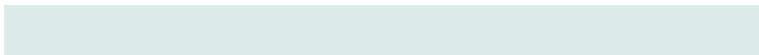
77.3115, 81.2429, 96.4007



79.9441, 81.2429, 88.1950



77.1265, 81.2429, 80.9672



74.5564, 81.2429, 88.7250

Rectangle

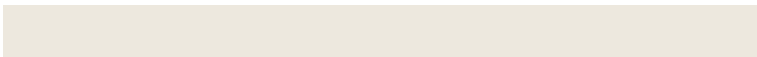
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3115, 81.2429, 96.4007



79.3614, 81.2429, 93.3013



77.1265, 81.2429, 80.9672



75.1154, 81.2429, 83.7886

Sweetspot

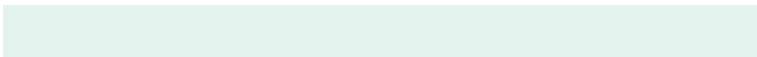
The Sweet Spot groups the original color and five complimentary colors.



77.3139, 81.2463, 96.4025



92.1238, 96.8961, 108.4551



79.4427, 86.7549, 93.2561



19.7490, 20.7724, 23.2185



0.0000, 0.0000, 0.0000



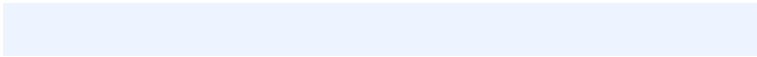
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3139, 81.2463, 96.4025



85.1070, 89.4140, 107.3808



76.6358, 78.8237, 95.9706



16.5283, 17.3617, 21.0226



10.6067, 7.0072, 47.3315



1.0229, 0.7972, 4.1902

Inverse Universe

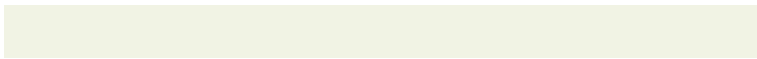
The Inverse Universe completely reimagines the original color for something new.



79.4154, 80.4263, 88.4330



87.7611, 88.3926, 97.3126



82.2458, 88.3607, 86.1207



17.0894, 17.1478, 18.8939



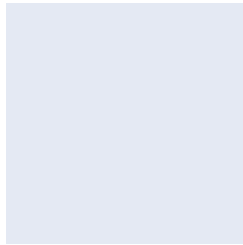
21.1583, 10.8067, 5.5419



1.9054, 0.9681, 0.7281

Previews

White Background



This preview shows how the XYZ color 77.3115, 81.2429, 96.4007 looks on a white background.

Color Contrast Check

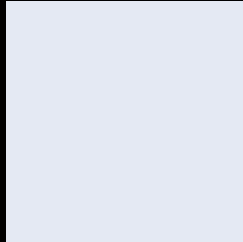
Large Text (above 18pt) WCAG AA × Fail

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 77.3115, 81.2429, 96.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

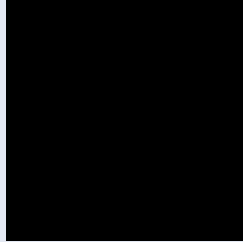
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

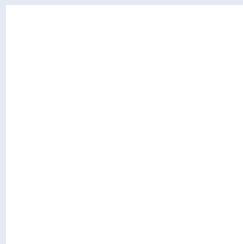
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3115, 81.2429, 96.4007

Background



This preview shows how black text looks on a background with the XYZ color 77.3115, 81.2429, 96.4007.



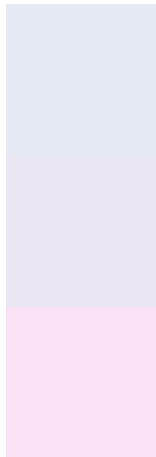
This preview shows how white text looks on a background with the XYZ color 77.3115, 81.2429,

96.4007.

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

77.3115, 81.2429, 96.4007

Protanopia

78.5346, 81.0551, 95.5104

Deuteranopia

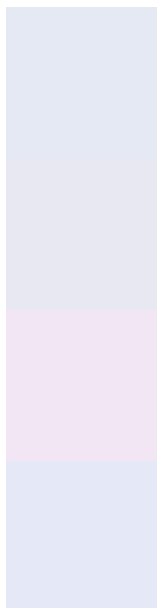
82.9498, 81.2484, 96.8985



Tritanopia

78.4250, 81.2734, 101.9964

Trichromacy



Original Color

77.3115, 81.2429, 96.4007

Protanomaly

78.1623, 81.2798, 95.5734

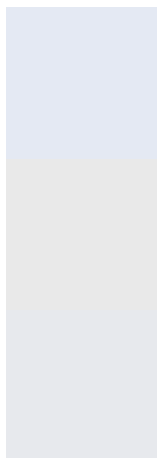
Deuteranomaly

80.9664, 81.4475, 97.0415

Tritanomaly

77.9582, 81.0866, 99.5381

Monochromacy



Original Color

77.3115, 81.2429, 96.4007

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3800, 81.3812, 91.7505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3115, 81.2429, 96.4007 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(228, 233, 243) looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 243)  
}
```

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(228, 233, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.3115, 81.2429, 96.4007 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(228, 233, 243) }
```


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

```
.border{ border-color:rgb(228, 233, 243) }
```

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

Here you see how a box with a 4 pixel rgb(228, 233, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 243);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3115, 81.2429, 96.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 243) }
```

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

```
.background{ background-color: rgb(228,  
233, 243) }
```

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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