

Converting Colors

XYZ(76.8003, 86.1804, 80.0924)

Have a look what the booklet for
XYZ(76.8003, 86.1804, 80.0924)
contains.

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Color

**XYZ(76.9475, 86.1996,
80.2928)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F4DC
RGB	227, 244, 220
RGB Percent	89%, 96%, 86%
CMY	0.1098, 0.0431, 0.1372
CMYK	0.07, 0.00, 0.10, 0.04
HSL	103°, 52%, 91%
HSV	103°, 10%, 96%
XYZ	76.9475, 86.1996, 80.2928
YIQ	236.1810, -2.4280, -11.0680

Conversions

Conversions Part 2

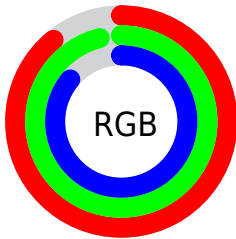
Format	Color
R_{YB}	220, 244, 237
Decimal	14939356
CIE _{Lab}	94.40, -9.85, 9.65
CIE _{LCh}	94, 13.789, 135.584
Yxy	86.1996, 0.3161, 0.3541
Android (android.graphics.Color)	4293129436 (0xFFE3F4DC)
YUV	236.1810, -7.9772, -8.0517
Hunter-Lab	92.8437, -14.5384, 13.7156

Details

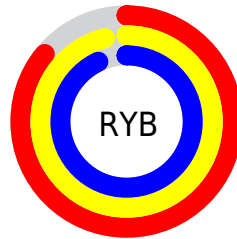
The XYZ color **76.9475, 86.1996, 80.2928** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8509, 75.7250, 96.1584**, and the grayscale version is **79.9300, 84.0926, 91.5768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7880, 47.4537, 42.5543** is the 20% darker color. If you saturate the color by 10%, you get **68.7683, 82.3321, 64.2542**, and if you desaturate by 10%, it is **86.1506, 90.5454, 98.8451**.

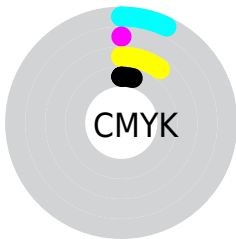
Distribution



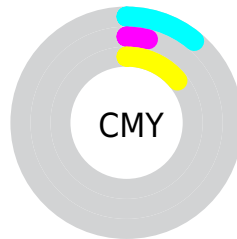
- Red (89%)
- Green (96%)
- Blue (86%)



- Red (86%)
- Yellow (96%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9475, 86.1996, 80.2928 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 76.9475, 86.1996, 80.2928 by changing the saturation by 10% instead.

76.9475, 86.1996,
80.2928

76.9475, 86.1996,
80.2928

473.4797,
515.5891, 515.6518

57.5096, 64.8330,
59.4317

128.0386,
142.0480, 135.5924

41.6562, 47.3257,
42.5385

160.4225,
177.2986, 170.8681

29.0221, 33.2932,
29.1944

197.8524,
217.9460, 211.7857

19.2419, 22.3512,
18.9811

240.6937,
264.3747, 258.7638

11.9503, 14.1152,
11.4800

289.3117,
316.9689, 312.2209

6.7818, 8.2008,
6.2724

344.0718,

3.3711, 4.2237,

376.1131, 372.5756

2.9400

405.3393,
442.1917, 440.2464

■ 1.3529, 1.7995,
1.0641

■ 0.2223, 0.4868,
0.0000

■ 76.9475, 86.1996,
80.2928

■ 76.9475, 86.1996,
80.2928

■ 68.7683, 82.3321,
64.2542

■ 86.1506, 90.5454,
98.8451

■ 61.5696, 78.9154,
50.6156

■ 91.6424, 93.1848,
107.7641

■ 55.3149, 75.9358,
39.2633

■ 49.9629, 73.3747,
30.0719

■ 45.4691, 71.2120,
22.9039

■ 41.7846, 69.4260,
17.6062

■ 38.8551, 67.9925,
14.0037

■ 36.6184, 66.8840,
11.8882

■ 34.9849, 66.0616,
10.9187

Harmonies

Analogous

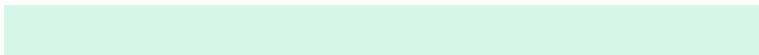
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0316, 86.1996, 75.5482



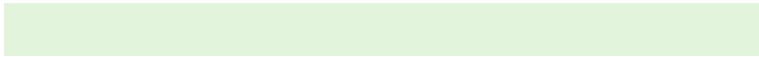
76.9475, 86.1996, 80.2928



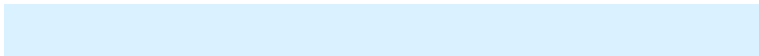
75.2240, 86.1996, 88.8695

Triad

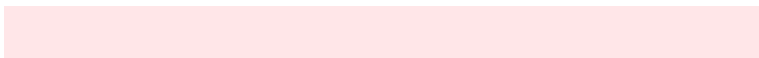
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9475, 86.1996, 80.2928



80.1697, 86.1996, 115.0303



88.9838, 86.1996, 88.4829

Complementary

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



76.9475, 86.1996, 80.2928



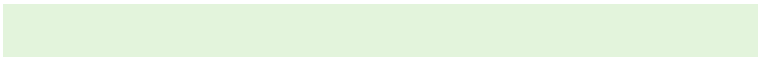
76.8509, 75.7250, 96.1584

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.



89.0235, 86.1996, 99.0271



76.9475, 86.1996, 80.2928



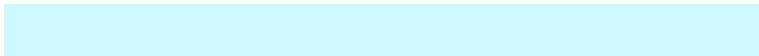
83.8584, 86.1996, 114.9071

Square

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



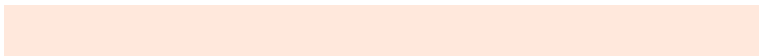
76.9475, 86.1996, 80.2928



77.0460, 86.1996, 109.1929



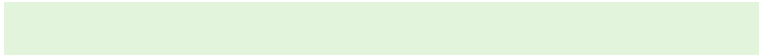
87.1234, 86.1996, 108.8681



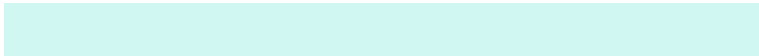
87.0165, 86.1996, 80.0282

Rectangle

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



76.9475, 86.1996, 80.2928



75.0442, 86.1996, 95.8554



87.1234, 86.1996, 108.8681



89.2249, 86.1996, 91.8860

Sweetspot

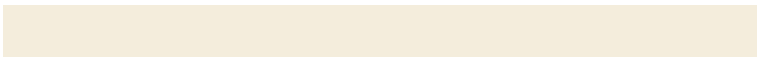
The Sweet Spot groups the original color and five complimentary colors.



76.9499, 86.2033, 80.2947



91.8768, 98.5036, 102.4498



80.4564, 84.8568, 79.8500



19.4877, 21.0000, 21.5689



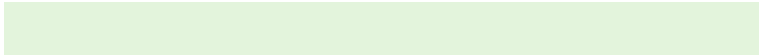
0.0000, 0.0000, 0.0000



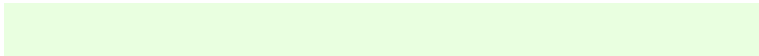
20.3446, 21.4041, 23.3091

Same Dimension

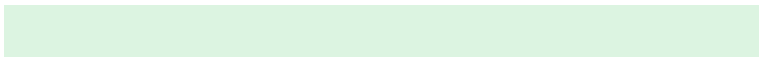
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9499, 86.2033, 80.2947



82.9786, 94.3016, 84.6343



75.4319, 85.3462, 83.5909



16.7362, 18.7060, 17.5261



19.1269, 35.9731, 5.9354



1.7790, 3.2122, 0.5262

Inverse Universe

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



76.8509, 75.7250, 96.1584



82.8464, 80.3534, 105.7510



78.5142, 76.6656, 92.4800



16.7155, 16.5115, 20.8486



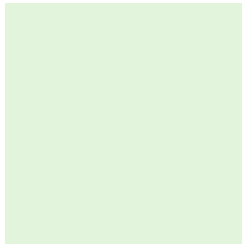
18.3743, 8.4466, 47.2000



1.7168, 0.7949, 4.1532

Previews

White Background



This preview shows how the XYZ color 76.9475, 86.1996, 80.2928 looks on a white background.

Color Contrast Check

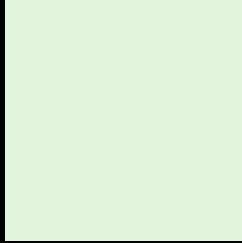
Large Text (above 18pt) WCAG AA × Fail

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 76.9475, 86.1996, 80.2928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

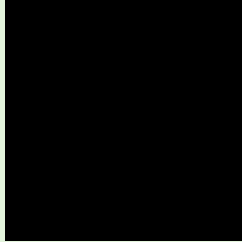
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

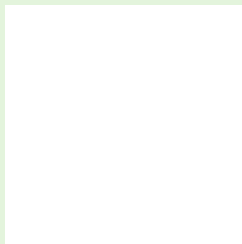
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9475, 86.1996, 80.2928

Background



This preview shows how black text looks on a background with the XYZ color 76.9475, 86.1996, 80.2928.



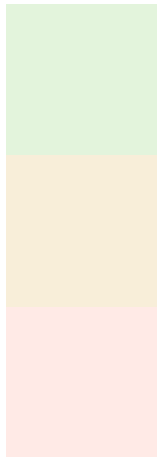
This preview shows how white text looks on a background with the XYZ color 76.9475, 86.1996,

80.2928.

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

76.9475, 86.1996, 80.2928

Protanopia

81.8103, 86.1153, 77.9557

Deuteranopia

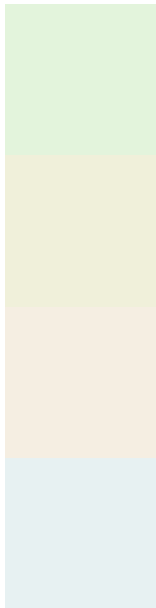
84.9457, 85.8188, 86.9505



Tritanopia

82.8482, 86.4454, 106.9268

Trichromacy



Original Color

76.9475, 86.1996, 80.2928

Protanomaly

79.7502, 85.9074, 78.7082

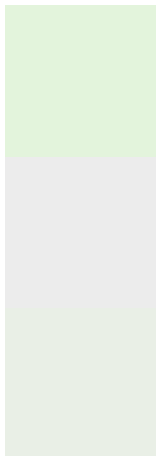
Deuteranomaly

81.9582, 86.0525, 84.2416

Tritanomaly

80.4373, 86.3103, 96.4245

Monochromacy



Original Color

76.9475, 86.1996, 80.2928

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.7537, 84.7698, 87.0744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9475, 86.1996, 80.2928 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(227, 244, 220) looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 220)  
}
```

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(227, 244, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 220) }
```

Border

The CSS property to change the border of an element to XYZ 76.9475, 86.1996, 80.2928 is called "border". The border property can be set on classes, ids or directly on the HTML element.

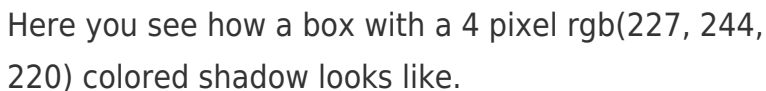
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 244, 220) }
```


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

```
.border{ border-color:rgb(227, 244, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 244, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 244, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 244, 220); box-shadow:4px 4px 4px 4px rgb(227, 244, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9475, 86.1996, 80.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 220) }
```

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

```
.background{ background-color: rgb(227,  
244, 220) }
```

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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