

Converting Colors

XYZ(76.2371, 83.1813, 80.4441)

Have a look what the booklet for
XYZ(76.2371, 83.1813, 80.4441)
contains.

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Color

**XYZ(76.2588, 83.1925,
80.4451)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E6EEDD |
| RGB | 230, 238, 221 |
| RGB Percent | 90%, 93%, 87% |
| CMY | 0.0980, 0.0666, 0.1333 |
| CMYK | 0.03, 0.00, 0.07, 0.07 |
| HSL | 88°, 33%, 90% |
| HSV | 88°, 7%, 93% |
| XYZ | 76.2588, 83.1925, 80.4451 |
| YIQ | 233.6700, 0.6890, -6.9830 |

Conversions

Conversions Part 2

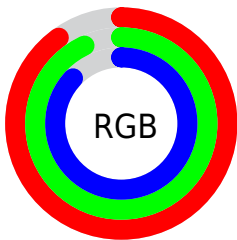
| Format | Color |
|-------------------------------------|--|
| RYB | 221, 238, 229 |
| Decimal | 15134429 |
| CIELab | 93.10, -5.64, 7.30 |
| CIELCh | 93, 9.225, 127.725 |
| Yxy | 83.1925, 0.3179, 0.3468 |
| Android (android.graphics.Color) | 4293324509 (0xFFE6EEDD) |
| YUV | 233.6700, -6.2463, -3.2186 |
| Hunter-Lab | 91.2099, -10.3771, 11.5545 |

Details

The XYZ color **76.2588, 83.1925, 80.4451** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.6054, 74.5462, 91.4027**, and the grayscale version is **78.0046, 82.0669, 89.3708**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0664, 45.2077, 42.6379** is the 20% darker color. If you saturate the color by 10%, you get **69.8298, 80.2215, 64.7481**, and if you desaturate by 10%, it is **83.3731, 86.4697, 98.5242**.

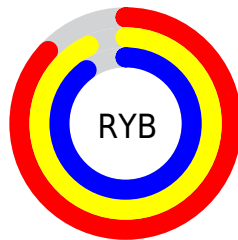
Distribution



Red (90%)

Green (93%)

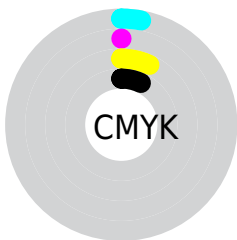
Blue (87%)



Red (87%)

Yellow (93%)

Blue (90%)

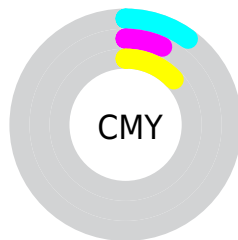


Cyan (3%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (10%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2588, 83.1925, 80.4451 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 76.2588, 83.1925, 80.4451 by changing the saturation by 10% instead.

76.2588, 83.1925,
80.4451

76.2588, 83.1925,
80.4451

471.1639,
505.6278, 516.1779

56.9425, 62.3490,
59.5564

127.0711,
137.8450, 135.8084

41.1991, 45.3147,
42.6382

159.2978,
172.4228, 171.1200

28.6630, 31.7054,
29.2720

196.5587,
212.3475, 212.0764

18.9691, 21.1366,
19.0394

239.2192,
258.0035, 259.0960

11.7518, 13.2239,
11.5216

287.6447,
309.7751, 312.5974

6.6459, 7.5829,
6.3003

342.2003,

3.2860, 3.8292,

368.0467, 372.9992

2.9568

403.2516,
433.2029, 440.7198

■ 1.3067, 1.5785,
1.0726

■ 0.1883, 0.3430,
0.0000

■ 76.2588, 83.1925,
80.4451

■ 76.2588, 83.1925,
80.4451

■ 69.8298, 80.2215,
64.7481

■ 83.3731, 86.4697,
98.5242

■ 64.0562, 77.5361,
51.3286

■ 88.9192, 89.1442,
107.1277

■ 58.9156, 75.1296,
40.0819

■ 89.8662, 89.6323,
107.1721

■ 54.3817, 72.9910,
30.8934

■ 50.4261, 71.1083,
23.6376

■ 47.0175, 69.4685,
18.1758

■ 44.1210, 68.0569,
14.3501

■ 41.6962, 66.8569,
11.9757

■ 39.6922, 65.8475,
10.8130

Harmonies

Analogous

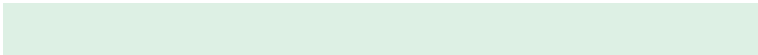
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4482, 83.1925, 78.0080



76.2588, 83.1925, 80.4451



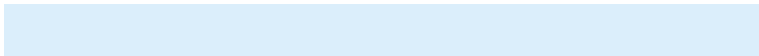
74.8436, 83.1925, 85.6242

Triad

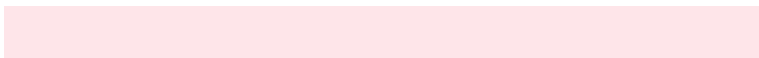
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2588, 83.1925, 80.4451



77.3212, 83.1925, 103.4828



83.7733, 83.1925, 88.8030

Complementary

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



76.2588, 83.1925, 80.4451



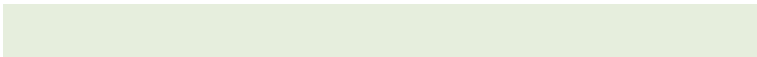
73.6054, 74.5462, 91.4027

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.



83.4567, 83.1925, 95.7286



76.2588, 83.1925, 80.4451



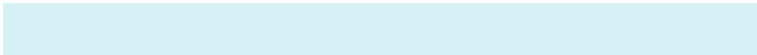
79.6991, 83.1925, 104.4405

Square

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



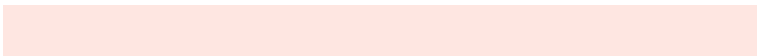
76.2588, 83.1925, 80.4451



75.4482, 83.1925, 98.9838



81.9535, 83.1925, 101.5376



82.8100, 83.1925, 82.6705

Rectangle

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



76.2588, 83.1925, 80.4451



74.5129, 83.1925, 90.0544



81.9535, 83.1925, 101.5376



83.8134, 83.1925, 91.1127

Sweetspot

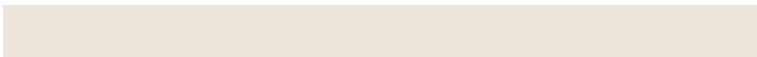
The Sweet Spot groups the original color and five complimentary colors.



76.2611, 83.1961, 80.4469



93.3619, 99.2234, 104.5916



76.3150, 79.4024, 79.7118



20.0010, 21.2460, 22.4320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

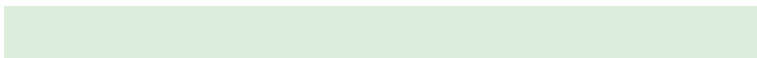
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2611, 83.1961, 80.4469



87.7091, 96.6173, 90.4074



73.6198, 81.8344, 80.3233



16.3646, 18.0681, 16.7747



22.0058, 36.6660, 5.9174



1.9455, 3.1095, 0.4976

Inverse Universe

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



73.6054, 74.5462, 91.4027



83.8322, 83.9900, 106.4010



76.3621, 75.9674, 91.5317



15.6048, 15.5935, 19.9090



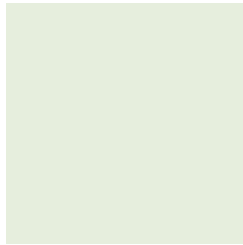
12.4870, 5.4427, 45.5203



1.1528, 0.5115, 3.7922

Previews

White Background



This preview shows how the XYZ color 76.2588, 83.1925, 80.4451 looks on a white background.

Color Contrast Check

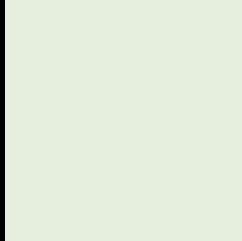
Large Text (above 18pt) WCAG AA × Fail

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 76.2588, 83.1925, 80.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

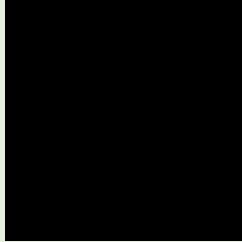
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

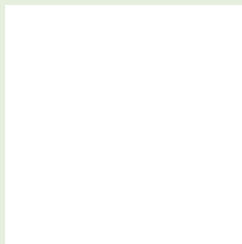
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2588, 83.1925, 80.4451

Background



This preview shows how black text looks on a background with the XYZ color 76.2588, 83.1925, 80.4451.



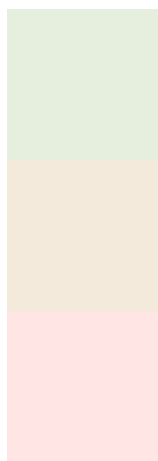
This preview shows how white text looks on a background with the XYZ color 76.2588, 83.1925,

80.4451.

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

76.2588, 83.1925, 80.4451

Protanopia

79.1711, 83.0148, 78.8685

Deuteranopia

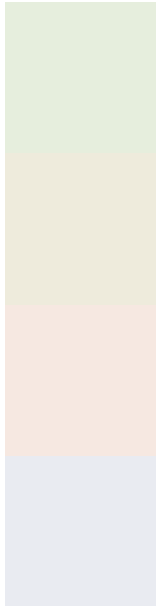
83.1244, 82.8447, 84.2825



Tritanopia

80.9706, 82.9683, 103.8423

Trichromacy



Original Color

76.2588, 83.1925, 80.4451

Protanomaly

77.8865, 82.7611, 79.5796

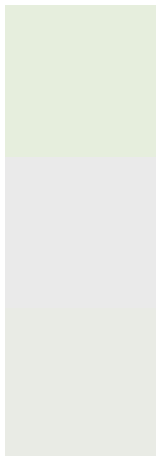
Deuteranomaly

80.4533, 82.7423, 82.9647

Tritanomaly

79.1898, 83.0912, 95.0835

Monochromacy



Original Color

76.2588, 83.1925, 80.4451

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.4555, 82.3974, 85.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2588, 83.1925, 80.4451 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(230, 238, 221) looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 221)  
}
```

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(230, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 221) }
```

Border

The CSS property to change the border of an element to XYZ 76.2588, 83.1925, 80.4451 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(230, 238, 221) }
```


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

```
.border{ border-color:rgb(230, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2588, 83.1925, 80.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 221) }
```

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

```
.background{ background-color: rgb(230,  
238, 221) }
```

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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