

Converting Colors

XYZ(76.7242, 82.2850, 81.6511)

Have a look what the booklet for
XYZ(76.7242, 82.2850, 81.6511)
contains.

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Color

**XYZ(76.6319, 82.0680,
81.6138)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EBDF
RGB	233, 235, 223
RGB Percent	91%, 92%, 87%
CMY	0.0863, 0.0784, 0.1255
CMYK	0.01, 0.00, 0.05, 0.08
HSL	70°, 23%, 90%
HSV	70°, 5%, 92%
XYZ	76.6319, 82.0680, 81.6138
YIQ	233.0340, 2.6600, -4.1560

Conversions

Conversions Part 2

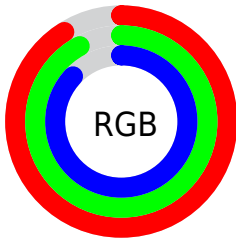
Format	Color
R _Y B	223, 235, 225
Decimal	15330271
CIE Lab	92.60, -2.76, 5.57
CIE LCh	93, 6.219, 116.339
Yxy	82.0680, 0.3189, 0.3415
Android (android.graphics.Color)	4293520351 (0xFFE9EBDF)
YUV	233.0340, -4.9468, -0.0298
Hunter-Lab	90.5914, -7.5405, 9.9996

Details

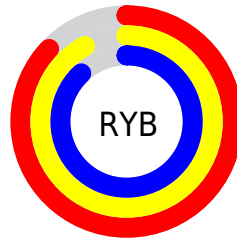
The XYZ color **76.6319, 82.0680, 81.6138** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.4375, 74.7832, 89.2183**, and the grayscale version is **77.5143, 81.5511, 88.8092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3194, 44.4145, 43.4409** is the 20% darker color. If you saturate the color by 10%, you get **72.4149, 80.2375, 66.0091**, and if you desaturate by 10%, it is **81.3218, 84.0962, 99.5396**.

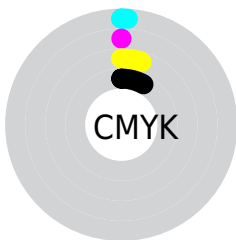
Distribution



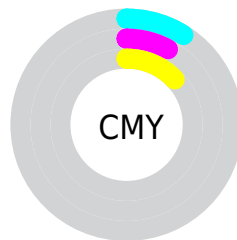
- Red (91%)
- Green (92%)
- Blue (87%)



- Red (87%)
- Yellow (92%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6319, 82.0680, 81.6138 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 76.6319, 82.0680, 81.6138 by changing the saturation by 10% instead.

■ 76.6319, 82.0680,
81.6138

■ 76.6319, 82.0680,
81.6138

472.4193,
501.8751, 520.2044

■ 57.2497, 61.4216,
60.5133

127.5953,
136.2694, 137.4641

■ 41.4467, 44.5655,
43.4045

159.9073,
170.5931, 173.0510

■ 28.8575, 31.1153,
29.8689

197.2598,
210.2447, 214.3037

■ 19.1168, 20.6867,
19.4879

240.0184,
255.6086, 261.6409

■ 11.8592, 12.8952,
11.8430

288.5482,
307.0692, 315.4810

■ 6.7194, 7.3564,
6.5156

343.2147,

■ 3.3320, 3.6860,

365.0109, 376.2426

3.0872

404.3833,
429.8181, 444.3442

■ 1.3317, 1.4995,
1.1394

■ 0.2067, 0.2884,
0.0000

■ 76.6319, 82.0680,
81.6138

■ 76.6319, 82.0680,
81.6138

■ 72.4149, 80.2375,
66.0091

■ 81.3218, 84.0962,
99.5396

■ 68.6458, 78.5868,
52.6253

■ 83.9840, 85.3141,
106.6486

■ 65.3074, 77.1116,
41.3629

■ 85.3368, 86.0115,
106.7119

■ 62.3788, 75.8036,
32.1125

■ 86.7187, 86.7238,
106.7766

■ 59.8372, 74.6535,
24.7553

■ 88.1297, 87.4513,
106.8426

■ 57.6574, 73.6514,
19.1596

■ 88.9999, 87.8999,
106.8833

■ 55.8112, 72.7859,
15.1772

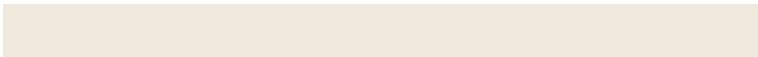
■ 54.2654, 72.0436,
12.6356

■ 52.9798, 71.4086,
11.3228

Harmonies

Analogous

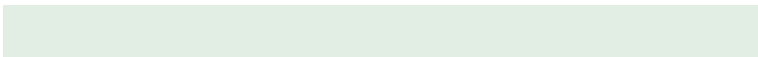
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2019, 82.0680, 80.7637



76.6319, 82.0680, 81.6138



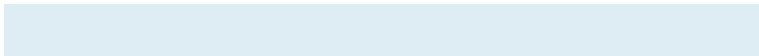
75.4440, 82.0680, 84.5132

Triad

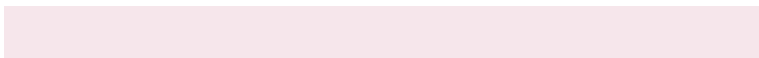
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6319, 82.0680, 81.6138



76.2926, 82.0680, 96.9758



81.1471, 82.0680, 89.9278

Complementary

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



76.6319, 82.0680, 81.6138



72.4375, 74.7832, 89.2183

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.



80.6196, 82.0680, 94.3847



76.6319, 82.0680, 81.6138



77.8048, 82.0680, 98.5415

Square

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



76.6319, 82.0680, 81.6138



75.2500, 82.0680, 93.3671



79.3907, 82.0680, 97.5774



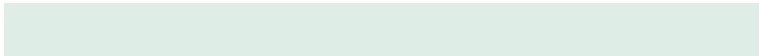
80.8227, 82.0680, 85.4656

Rectangle

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



76.6319, 82.0680, 81.6138



75.0210, 82.0680, 87.2717



79.3907, 82.0680, 97.5774



81.0633, 82.0680, 91.4775

Sweetspot

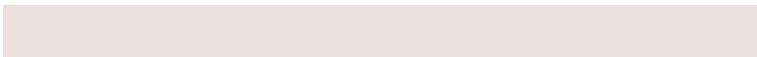
The Sweet Spot groups the original color and five complimentary colors.



76.6342, 82.0716, 81.6156



93.9271, 99.5147, 104.6181



74.5082, 76.8426, 80.7183



20.1160, 21.3053, 22.4374



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.



76.6342, 82.0716, 81.6156



91.7500, 98.5722, 96.3952



74.7089, 81.0791, 81.5255



16.3544, 17.6068, 17.0296



29.2634, 39.6303, 6.1071



2.3634, 3.1457, 0.4826

Inverse Universe

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



72.4375, 74.7832, 89.2183



85.8272, 88.2860, 107.1251



74.3407, 75.7644, 89.3073



15.1945, 15.5923, 19.1310



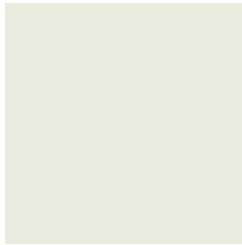
8.8877, 3.6177, 43.9728



0.7672, 0.3198, 3.4562

Previews

White Background



This preview shows how the XYZ color 76.6319, 82.0680, 81.6138 looks on a white background.

Color Contrast Check

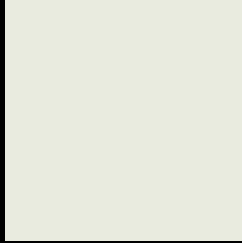
Large Text (above 18pt) WCAG AA × Fail

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 76.6319, 82.0680, 81.6138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

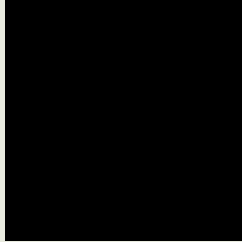
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

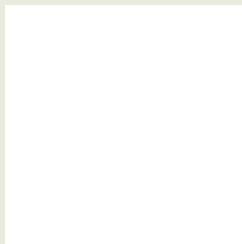
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6319, 82.0680, 81.6138

Background



This preview shows how black text looks on a background with the XYZ color 76.6319, 82.0680, 81.6138.



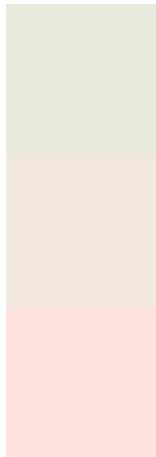
This preview shows how white text looks on a background with the XYZ color 76.6319, 82.0680,

81.6138.

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

76.6319, 82.0680, 81.6138

Protanopia

78.5994, 82.2525, 80.8409

Deuteranopia

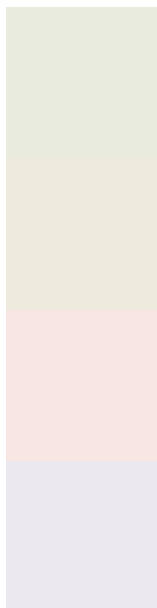
82.4366, 81.6892, 83.3742



Tritanopia

80.5998, 81.9959, 101.2013

Trichromacy



Original Color

76.6319, 82.0680, 81.6138

Protanomaly

77.8675, 82.2967, 80.8880

Deuteranomaly

80.2452, 81.8040, 82.7945

Tritanomaly

79.1769, 81.8374, 94.0612

Monochromacy



Original Color

76.6319, 82.0680, 81.6138

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.1699, 81.8264, 85.8555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6319, 82.0680, 81.6138 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(233, 235, 223) looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 223)  
}
```

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(233, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 76.6319, 82.0680, 81.6138 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(233, 235, 223) }
```


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

```
.border{ border-color:rgb(233, 235, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6319, 82.0680, 81.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 223) }
```

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

```
.background{ background-color: rgb(233,  
235, 223) }
```

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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