

Converting Colors

XYZ(76.2103, 81.0500, 78.6473)

Have a look what the booklet for
XYZ(76.2103, 81.0500, 78.6473)
contains.

XYZ(76.1860, 81.0545, 78.6475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.1860, 81.0545,
78.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE9DB
RGB	235, 233, 219
RGB Percent	92%, 91%, 86%
CMY	0.0784, 0.0863, 0.1412
CMYK	0.00, 0.01, 0.07, 0.08
HSL	53°, 29%, 89%
HSV	53°, 7%, 92%
XYZ	76.1860, 81.0545, 78.6475
YIQ	232.0020, 5.6860, -3.9300

Conversions

Conversions Part 2

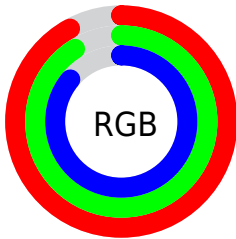
Format	Color
R _Y B	221, 235, 219
Decimal	15460827
CIE Lab	92.16, -1.73, 7.03
CIE LCh	92, 7.237, 103.819
Yxy	81.0545, 0.3230, 0.3436
Android (android.graphics.Color)	4293650907 (0xFFEBE9DB)
YUV	232.0020, -6.4100, 2.6292
Hunter-Lab	90.0303, -6.5016, 11.2274

Details

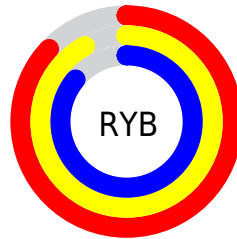
The XYZ color **76.1860, 81.0545, 78.6475** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.0651, 72.7698, 88.9511**, and the grayscale version is **76.7486, 80.7456, 87.9319**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0134, 43.7083, 41.3969** is the 20% darker color. If you saturate the color by 10%, you get **72.4862, 78.2608, 63.2131**, and if you desaturate by 10%, it is **80.3409, 84.0575, 96.3904**.

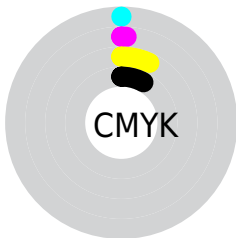
Distribution



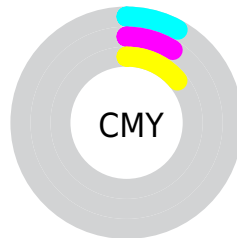
- Red (92%)
- Green (91%)
- Blue (86%)



- Red (87%)
- Yellow (92%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1860, 81.0545, 78.6475 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 76.1860, 81.0545, 78.6475 by changing the saturation by 10% instead.

■ 76.1860, 81.0545,
78.6475

■ 76.1860, 81.0545,
78.6475

470.9188,
498.4795, 509.9491

■ 56.8826, 60.5865,
58.0864

126.9687,
134.8473, 133.2567

■ 41.1508, 43.8915,
41.4630

159.1788,
168.9409, 168.1418

■ 28.6251, 30.5852,
28.3586

196.4219,
208.3451, 208.6388

■ 18.9403, 20.2832,
18.3548

239.0632,
253.4443, 255.1660

■ 11.7309, 12.6011,
11.0329

287.4682,
304.6230, 308.1422

■ 6.6316, 7.1544,
5.9745

342.0023,

■ 3.2771, 3.5589,

362.2655, 367.9857

2.7611

403.0307,
426.7562, 435.1152

■ 1.3019, 1.4300,
0.9740

■ 0.1847, 0.2387,
0.0000

■ 76.1860, 81.0545,
78.6475

■ 76.1860, 81.0545,
78.6475

■ 72.4862, 78.2608,
63.2131

■ 80.3409, 84.0575,
96.3904

■ 69.2166, 75.6585,
49.9859

■ 83.1388, 86.5373,
106.9292

■ 66.3597, 73.2431,
38.8653

■ 84.0030, 88.2659,
107.2173

■ 63.8945, 71.0061,
29.7404

■ 84.8813, 90.0224,
107.5101

61.7981, 68.9382,
22.4904

85.7736, 91.8070,
107.8075

60.0448, 67.0291,
16.9812

86.6800, 93.6198,
108.1097

58.6058, 65.2671,
13.0610

87.6006, 95.4610,
108.4165

57.4473, 63.6386,
10.5521

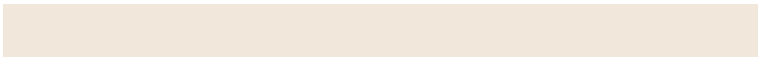
88.0713, 96.4023,
108.5734

56.5261, 62.1263,
9.2277

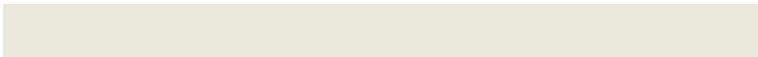
Harmonies

Analogous

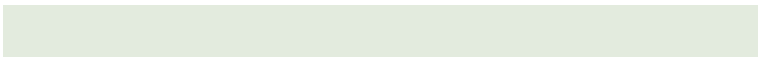
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0441, 81.0545, 78.7490



76.1860, 81.0545, 78.6475



74.5822, 81.0545, 81.0460

Triad

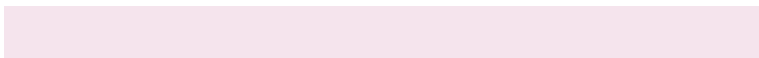
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1860, 81.0545, 78.6475



74.4799, 81.0545, 95.5624



80.5374, 81.0545, 91.1492

Complementary

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



76.1860, 81.0545, 78.6475



70.0651, 72.7698, 88.9511

Split Complementary

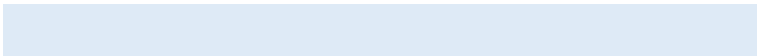
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5510, 81.0545, 95.8784



76.1860, 81.0545, 78.6475



76.0443, 81.0545, 98.4958

Square

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



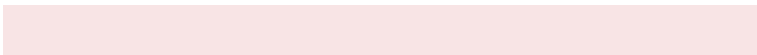
76.1860, 81.0545, 78.6475



73.6080, 81.0545, 90.7319



77.9001, 81.0545, 98.6138



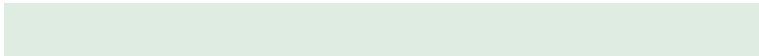
80.5768, 81.0545, 85.8227

Rectangle

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



76.1860, 81.0545, 78.6475



73.8646, 81.0545, 83.7980



77.9001, 81.0545, 98.6138



80.3049, 81.0545, 92.8664

Sweetspot

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



76.1882, 81.0580, 78.6492



94.0371, 99.2708, 104.5652



72.6624, 73.5539, 78.8685



20.1384, 21.2557, 22.4266



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.



76.1882, 81.0580, 78.6492



91.1315, 97.1427, 92.2419



74.8511, 81.2119, 78.7494



16.1824, 17.2877, 16.0027



31.3755, 34.4453, 4.9949



2.5087, 2.7947, 0.4072

Inverse Universe

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



70.0651, 72.7698, 88.9511



82.5049, 85.4659, 106.7558



71.3377, 72.6485, 88.8606



14.3825, 14.8515, 19.0308



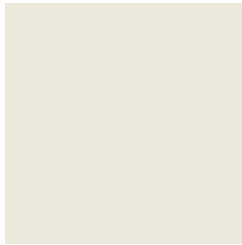
8.6437, 3.9344, 44.0468



0.7278, 0.4071, 3.4751

Previews

White Background



This preview shows how the XYZ color 76.1860, 81.0545, 78.6475 looks on a white background.

Color Contrast Check

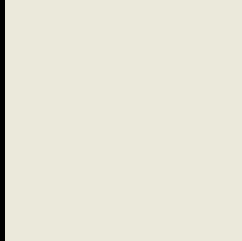
Large Text (above 18pt) WCAG AA × Fail

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 76.1860, 81.0545, 78.6475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

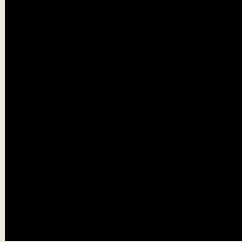
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

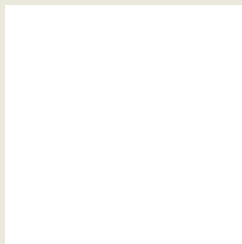
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1860, 81.0545, 78.6475

Background



This preview shows how black text looks on a background with the XYZ color 76.1860, 81.0545, 78.6475.

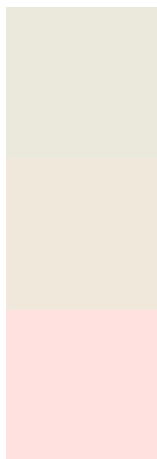


This preview shows how white text looks on a background with the XYZ color 76.1860, 81.0545,

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

76.1860, 81.0545, 78.6475

Protanopia

77.4467, 81.3004, 77.9403

Deuteranopia

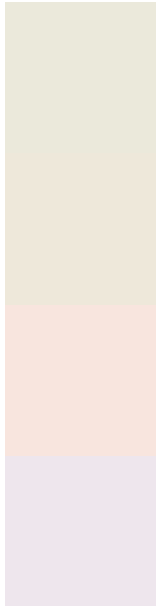
81.7556, 80.9804, 81.1338



Tritanopia

80.4044, 81.1047, 99.4127

Trichromacy



Original Color

76.1860, 81.0545, 78.6475

Protanomaly

76.7714, 80.9523, 77.9087

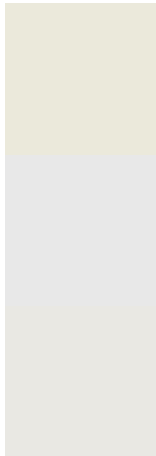
Deuteranomaly

79.9155, 81.2690, 80.5817

Tritanomaly

78.8428, 80.8852, 91.5777

Monochromacy



Original Color

76.1860, 81.0545, 78.6475

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3260, 80.5829, 84.2043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1860, 81.0545, 78.6475 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(235, 233, 219) looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 219)  
}
```

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(235, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 219) }
```

Border

The CSS property to change the border of an element to XYZ 76.1860, 81.0545, 78.6475 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(235, 233, 219) }
```


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

```
.border{ border-color:rgb(235, 233, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 219);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1860, 81.0545, 78.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 219) }
```

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

```
.background{ background-color: rgb(235,  
233, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor