

Converting Colors

XYZ(77.7485, 83.0774, 80.8230)

Have a look what the booklet for
XYZ(77.7485, 83.0774, 80.8230)
contains.

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Color

**XYZ(77.7723, 83.0977,
81.0477)**

Conversions

Conversions Part 1

Format	Color
Hex	ECECDE
RGB	236, 236, 222
RGB Percent	93%, 93%, 87%
CMY	0.0745, 0.0745, 0.1294
CMYK	0.00, 0.00, 0.06, 0.07
HSL	60°, 27%, 90%
HSV	60°, 6%, 93%
XYZ	77.7723, 83.0977, 81.0477
YIQ	234.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

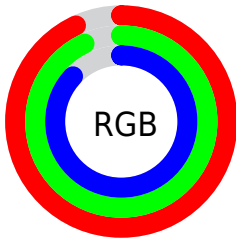
Format	Color
R _Y B	222, 236, 222
Decimal	15527134
CIE Lab	93.06, -2.41, 6.77
CIE LCh	93, 7.191, 109.598
Yxy	83.0977, 0.3215, 0.3435
Android (android.graphics.Color)	4293717214 (0xFFECECDE)
YUV	234.4040, -6.1152, 1.3997
Hunter-Lab	91.1579, -7.2374, 11.0964

Details

The XYZ color **77.7723, 83.0977, 81.0477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.3891, 73.8306, 89.8494**, and the grayscale version is **78.5573, 82.6484, 90.0041**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1187, 45.1358, 43.0514** is the 20% darker color. If you saturate the color by 10%, you get **74.8263, 81.9217, 65.5377**, and if you desaturate by 10%, it is **81.1658, 84.4581, 98.8933**.

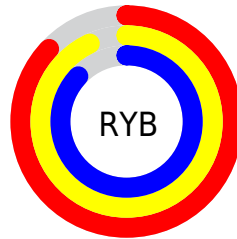
Distribution



Red (93%)

Green (93%)

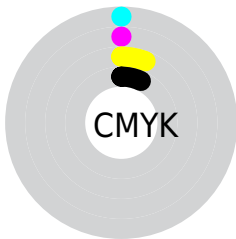
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

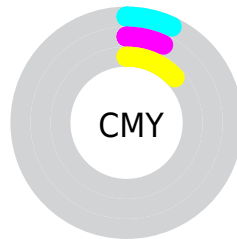


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7723, 83.0977, 81.0477 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 77.7723, 83.0977, 81.0477 by changing the saturation by 10% instead.

■ 77.7723, 83.0977,
81.0477

■ 77.7723, 83.0977,
81.0477

476.2448,
505.3121, 518.2563

■ 58.1891, 62.2708,
60.0497

129.1962,
137.7123, 136.6624

■ 42.2045, 45.2515,
43.0331

161.7675,
172.2687, 172.1162

■ 29.4533, 31.6556,
29.5795

199.3989,
212.1704, 213.2256

■ 19.5700, 21.0986,
19.2703

242.4558,
257.8018, 260.4092

■ 12.1893, 13.1961,
11.6870

291.3035,
309.5473, 314.0855

■ 6.9459, 7.5637,
6.4110

346.3073,

■ 3.4743, 3.8171,

367.7912, 374.6731

3.0237

407.8326,
432.9180, 442.5905

■ 1.4093, 1.5718,
1.1068

■ 0.2628, 0.3385,
0.0000

■ 77.7723, 83.0977,
81.0477

■ 77.7723, 83.0977,
81.0477

■ 74.8263, 81.9217,
65.5377

■ 81.1658, 84.4581,
98.8933

■ 72.3025, 80.9119,
52.2617

■ 82.6448, 85.0500,
106.6682

■ 70.1838, 80.0641,
41.1182

■ 82.6475, 85.0514,
106.6683

■ 68.4489, 79.3698,
31.9964

■ 82.6501, 85.0528,
106.6684

67.0749, 78.8199,
24.7749

82.6528, 85.0541,
106.6686

66.0364, 78.4042,
19.3198

82.6555, 85.0555,
106.6687

65.3045, 78.1111,
15.4795

82.6581, 85.0569,
106.6688

64.8456, 77.9273,
13.0771

82.6608, 85.0582,
106.6689

64.6183, 77.8360,
11.8937

82.6634, 85.0596,
106.6691

Harmonies

Analogous

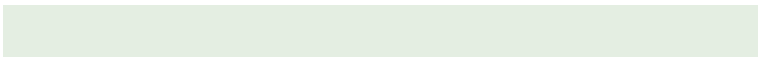
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6382, 83.0977, 80.6481



77.7723, 83.0977, 81.0477



76.2536, 83.0977, 83.9162

Triad

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



77.7723, 83.0977, 81.0477



76.6557, 83.0977, 98.6170



82.6010, 83.0977, 92.3666

Complementary

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



77.7723, 83.0977, 81.0477



71.3891, 73.8306, 89.8494

Split Complementary

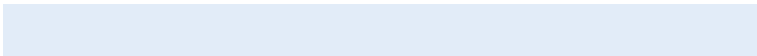
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7745, 83.0977, 97.3759



77.7723, 83.0977, 81.0477



78.3292, 83.0977, 101.0786

Square

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



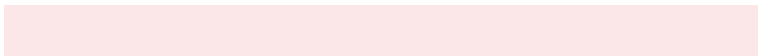
77.7723, 83.0977, 81.0477



75.6161, 83.0977, 94.0061



80.2039, 83.0977, 100.6155



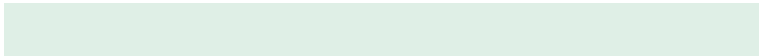
82.4461, 83.0977, 87.0418

Rectangle

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



77.7723, 83.0977, 81.0477



75.6330, 83.0977, 86.9084



80.2039, 83.0977, 100.6155



82.4282, 83.0977, 94.1467

Sweetspot

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



77.7746, 83.1013, 81.0495



94.2390, 99.6755, 104.6327



73.9008, 75.3514, 79.7578



20.1795, 21.3381, 22.4404



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.



77.7746, 83.1013, 81.0495



92.3058, 98.9021, 94.4607



75.4965, 81.9269, 80.9429



16.4747, 17.6760, 16.7074



35.5875, 42.8905, 6.4030



2.7946, 3.3680, 0.5028

Inverse Universe

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



71.3891, 73.8306, 89.8494



83.3548, 85.9067, 106.7961



73.5772, 74.9586, 89.9518



14.7568, 15.1819, 19.0749



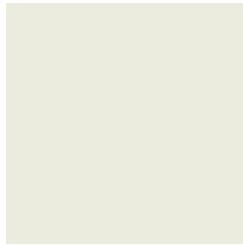
8.3464, 3.3386, 43.9475



0.6556, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 77.7723, 83.0977, 81.0477 looks on a white background.

Color Contrast Check

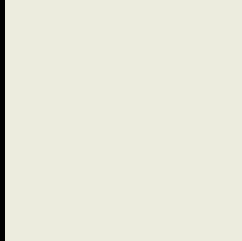
Large Text (above 18pt) WCAG AA × Fail

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 77.7723, 83.0977, 81.0477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

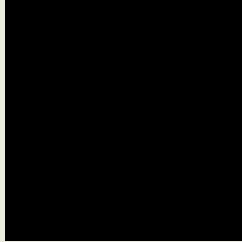
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

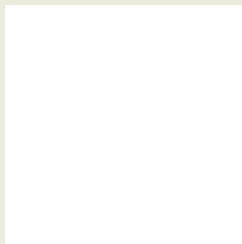
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7723, 83.0977, 81.0477

Background



This preview shows how black text looks on a background with the XYZ color 77.7723, 83.0977, 81.0477.



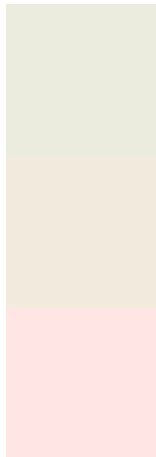
This preview shows how white text looks on a background with the XYZ color 77.7723, 83.0977, 81.0477.

81.0477.

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

77.7723, 83.0977, 81.0477

Protanopia

79.0919, 82.9433, 80.2477

Deuteranopia

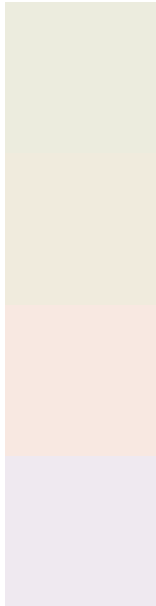
83.1244, 82.8447, 84.2825



Tritanopia

82.0471, 83.1406, 102.1659

Trichromacy



Original Color

77.7723, 83.0977, 81.0477

Protanomaly

78.6947, 83.1624, 80.3109

Deuteranomaly

81.1586, 83.1059, 82.9977

Tritanomaly

80.4637, 82.9198, 94.2023

Monochromacy



Original Color

77.7723, 83.0977, 81.0477

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2522, 82.7920, 86.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7723, 83.0977, 81.0477 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(236, 236, 222) looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 222)  
}
```

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(236, 236, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 222) }
```

Border

The CSS property to change the border of an element to XYZ 77.7723, 83.0977, 81.0477 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(236, 236, 222) }
```


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

```
.border{ border-color:rgb(236, 236, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 222);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7723, 83.0977, 81.0477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 222) }
```

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

```
.background{ background-color: rgb(236,  
236, 222) }
```

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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