

Converting Colors

XYZ(77.2666, 83.4501, 80.8519)

Have a look what the booklet for
XYZ(77.2666, 83.4501, 80.8519)
contains.

XYZ(77.0733, 83.1659, 81.0977)	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(77.0733, 83.1659,
81.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EDDE
RGB	233, 237, 222
RGB Percent	91%, 93%, 87%
CMY	0.0863, 0.0706, 0.1294
CMYK	0.02, 0.00, 0.06, 0.07
HSL	76°, 29%, 90%
HSV	76°, 6%, 93%
XYZ	77.0733, 83.1659, 81.0977
YIQ	234.0940, 2.4310, -5.5130

Conversions

Conversions Part 2

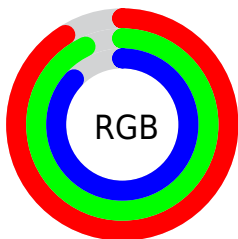
Format	Color
R _Y B	222, 237, 226
Decimal	15330782
CIE Lab	93.09, -3.95, 6.79
CIE LCh	93, 7.852, 120.167
Yxy	83.1659, 0.3194, 0.3446
Android (android.graphics.Color)	4293520862 (0xFFE9EDDE)
YUV	234.0940, -5.9623, -0.9594
Hunter-Lab	91.1953, -8.7334, 11.1116

Details

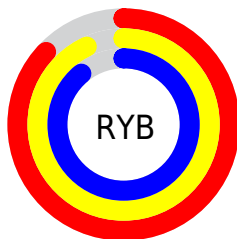
The XYZ color **77.0733, 83.1659, 81.0977** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7745, 74.5280, 90.6747**, and the grayscale version is **78.3223, 82.4012, 89.7349**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6304, 45.1849, 43.0866** is the 20% darker color. If you saturate the color by 10%, you get **72.0902, 80.9410, 65.4321**, and if you desaturate by 10%, it is **82.5816, 85.6148, 99.1222**.

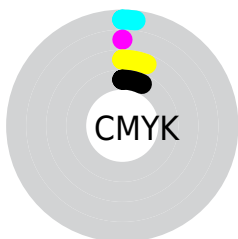
Distribution



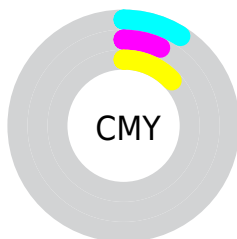
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0733, 83.1659, 81.0977 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 77.0733, 83.1659, 81.0977 by changing the saturation by 10% instead.

■ 77.0733, 83.1659,
81.0977

■ 77.0733, 83.1659,
81.0977

473.9020,
505.5393, 518.4285

■ 57.6132, 62.3270,
60.0906

128.2152,
137.8078, 136.7332

■ 41.7398, 45.2970,
43.0659

160.6278,
172.3796, 172.1988

■ 29.0878, 31.6914,
29.6050

198.0885,
212.2978, 213.3209

■ 19.2919, 21.1259,
19.2895

240.9627,
257.9469, 260.5180

■ 11.9866, 13.2161,
11.7007

289.6158,
309.7112, 314.2088

■ 6.8067, 7.5775,
6.4202

344.4132,

■ 3.3868, 3.8258,

367.9751, 374.8118

3.0293

405.7201,
433.1230, 442.7455

■ 1.3614, 1.5766,
1.1096

■ 0.2285, 0.3418,
0.0000

■ 77.0733, 83.1659,
81.0977

■ 77.0733, 83.1659,
81.0977

■ 72.0902, 80.9410,
65.4321

■ 82.5816, 85.6148,
99.1222

■ 67.6061, 78.9216,
52.0223

■ 86.2197, 87.3215,
106.9182

■ 63.6028, 77.1028,
40.7658

■ 88.4722, 88.4827,
107.0236

■ 60.0581, 75.4757,
31.5498

■ 89.5758, 89.0516,
107.0753

■ 56.9477, 74.0306,
24.2516

■ 54.2452, 72.7567,
18.7349

■ 51.9204, 71.6419,
14.8457

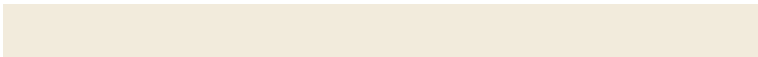
■ 49.9382, 70.6720,
12.4040

■ 48.2551, 69.8296,
11.1849

Harmonies

Analogous

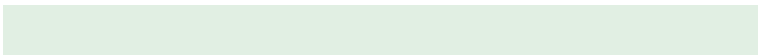
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0352, 83.1659, 79.6790



77.0733, 83.1659, 81.0977



75.6609, 83.1659, 85.0278

Triad

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



77.0733, 83.1659, 81.0977



77.0929, 83.1659, 100.7527



83.0733, 83.1659, 90.5205

Complementary

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



77.0733, 83.1659, 81.0977



72.7745, 74.5280, 90.6747

Split Complementary

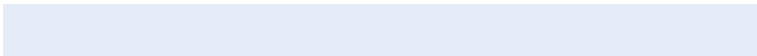
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5320, 83.1659, 96.3137



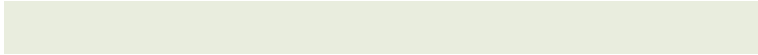
77.0733, 83.1659, 81.0977



79.0582, 83.1659, 102.3751

Square

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



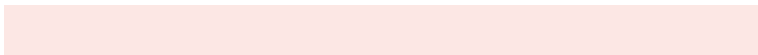
77.0733, 83.1659, 81.0977



75.6721, 83.1659, 96.3733



81.0535, 83.1659, 100.7172



82.5202, 83.1659, 84.9729

Rectangle

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



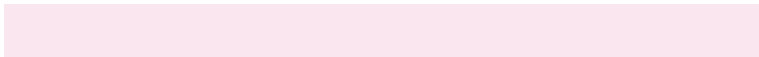
77.0733, 83.1659, 81.0977



75.2086, 83.1659, 88.6304



81.0535, 83.1659, 100.7172



83.0132, 83.1659, 92.5043

Sweetspot

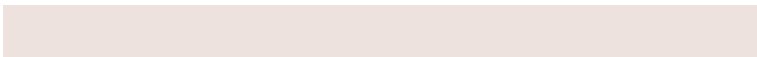
The Sweet Spot groups the original color and five complimentary colors.



77.0756, 83.1695, 81.0995



93.7407, 99.4186, 104.6093



75.3091, 77.6737, 80.1318



20.0781, 21.2858, 22.4356



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

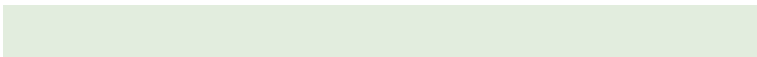
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0756, 83.1695, 81.0995



89.9630, 97.7371, 92.4182



74.6791, 81.9341, 80.9874



15.9370, 17.4131, 16.0398



26.1647, 38.0329, 5.9621



2.1449, 3.0330, 0.4724

Inverse Universe

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



72.7745, 74.5280, 90.6747



83.5941, 84.9409, 106.5971



75.1779, 75.7670, 90.7872



14.6083, 14.7433, 18.9981



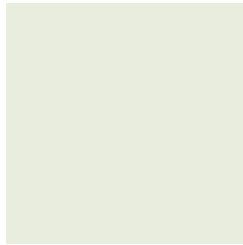
9.5796, 3.9744, 44.0052



0.8410, 0.3578, 3.4596

Previews

White Background



This preview shows how the XYZ color 77.0733, 83.1659, 81.0977 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 77.0733, 83.1659, 81.0977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

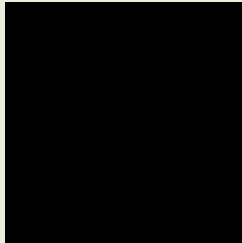
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

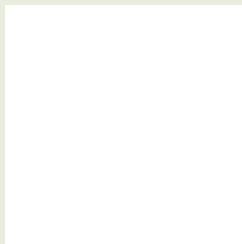
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0733, 83.1659, 81.0977

Background



This preview shows how black text looks on a background with the XYZ color 77.0733, 83.1659, 81.0977.

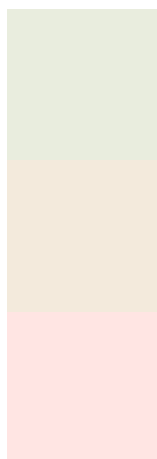


This preview shows how white text looks on a background with the XYZ color 77.0733, 83.1659,

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

77.0733, 83.1659, 81.0977

Protanopia

79.3032, 83.0676, 79.5641

Deuteranopia

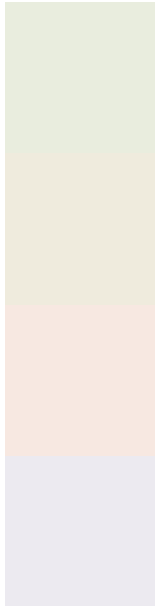
83.1244, 82.8447, 84.2825



Tritanopia

81.4766, 83.2474, 103.0409

Trichromacy



Original Color

77.0733, 83.1659, 81.0977

Protanomaly

78.3561, 82.9878, 80.2951

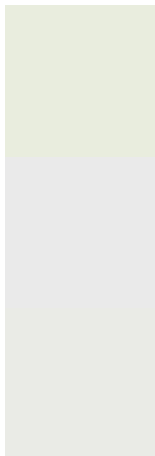
Deuteranomaly

80.8050, 82.9236, 82.9811

Tritanomaly

79.7431, 82.9698, 94.2499

Monochromacy



Original Color

77.0733, 83.1659, 81.0977

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9229, 82.6223, 86.7036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0733, 83.1659, 81.0977 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, 237, 222) looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 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(233, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 222) }
```

Border

The CSS property to change the border of an element to XYZ 77.0733, 83.1659, 81.0977 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, 237, 222) }
```


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

```
.border{ border-color:rgb(233, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0733, 83.1659, 81.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 222) }
```

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

```
.background{ background-color: rgb(233,  
237, 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](#).

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