

# Converting Colors

XYZ(77.5506, 83.2608, 78.6511)

Have a look what the booklet for  
XYZ(77.5506, 83.2608, 78.6511)  
contains.

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# Color

**XYZ(77.5311, 83.4632,  
78.3533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEDDA
RGB	236, 237, 218
RGB Percent	93%, 93%, 85%
CMY	0.0745, 0.0706, 0.1451
CMYK	0.00, 0.00, 0.08, 0.07
HSL	63°, 35%, 89%
HSV	63°, 8%, 93%
XYZ	77.5311, 83.4632, 78.3533
YIQ	234.5350, 5.5030, -6.1210

# Conversions

## Conversions Part 2

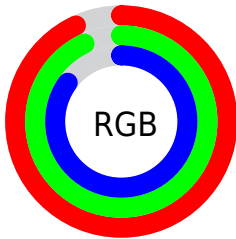
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 237, 219
Decimal	15527386
CIE Lab	93.22, -3.58, 9.08
CIE LCh	93, 9.763, 111.538
Yxy	83.4632, 0.3239, 0.3487
Android (android.graphics.Color)	4293717466 (0xFFECEEDDA)
YUV	234.5350, -8.1518, 1.2848
Hunter-Lab	91.3582, -8.3929, 13.1007

# Details

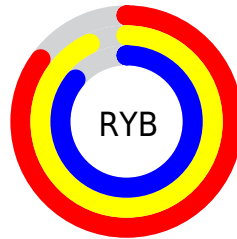
The XYZ color **77.5311, 83.4632, 78.3533** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **69.5742, 71.3195, 90.2243**, and the grayscale version is **78.6712, 82.7682, 90.1346**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9571, 45.3954, 41.2011** is the 20% darker color. If you saturate the color by 10%, you get **74.2351, 82.0996, 63.1506**, and if you desaturate by 10%, it is **81.2782, 85.0130, 95.8955**.

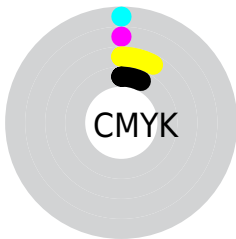
# Distribution



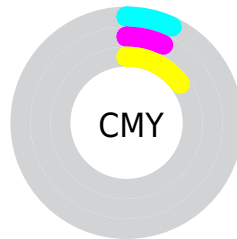
- Red (93%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (86%)



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



- Cyan (7%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5311, 83.4632, 78.3533 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 77.5311, 83.4632, 78.3533 by changing the saturation by 10% instead.



■ 77.5311, 83.4632,  
78.3533

■ 77.5311, 83.4632,  
78.3533

475.4371,  
506.5289, 508.9255

■ 57.9903, 62.5723,  
57.8461

128.8578,  
138.2240, 132.8384

■ 42.0441, 45.4953,  
41.2710

161.3744,  
172.8628, 167.6534

■ 29.3271, 31.8478,  
28.2096

198.9470,  
212.8530, 208.0748

■ 19.4739, 21.2452,  
18.2433

241.9409,  
258.5789, 254.5210

■ 12.1192, 13.3034,  
10.9536

290.7215,  
310.4251, 307.4107

■ 6.8977, 7.6378,  
5.9218

345.6542,

■ 3.4440, 3.8641,

368.7759, 367.1623

2.7296

407.1043,  
434.0158, 434.1944

■ 1.3927, 1.5978,  
0.9583

■ 0.2510, 0.3561,  
0.0000

■ 77.5311, 83.4632,  
78.3533

■ 77.5311, 83.4632,  
78.3533

■ 74.2351, 82.0996,  
63.1506

■ 81.2782, 85.0130,  
95.8955

■ 71.3645, 80.9038,  
50.1834

■ 83.7664, 86.0568,  
106.8034

■ 68.9016, 79.8714,  
39.3478

■ 84.1898, 86.2751,  
106.8232

■ 66.8247, 78.9938,  
30.5297

■ 84.6162, 86.4949,  
106.8432

65.1101, 78.2614,  
23.6041

85.0455, 86.7163,  
106.8633

63.7314, 77.6637,  
18.4323

85.4778, 86.9391,  
106.8835

62.6587, 77.1887,  
14.8568

85.9130, 87.1635,  
106.9039

61.8566, 76.8223,  
12.6917

86.3512, 87.3894,  
106.9244

61.2765, 76.5450,  
11.6799

86.7923, 87.6168,  
106.9450

# Harmonies

## Analogous

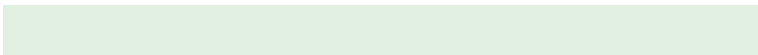
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0577, 83.4632, 77.6010



77.5311, 83.4632, 78.3533



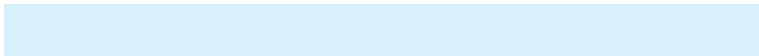
75.5271, 83.4632, 82.3660

# Triad

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



77.5311, 83.4632, 78.3533



76.2989, 83.4632, 102.4005



84.3118, 83.4632, 92.9730

# Complementary

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



77.5311, 83.4632, 78.3533



69.5742, 71.3195, 90.2243

# Split Complementary

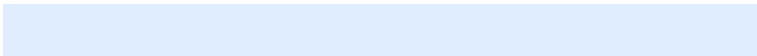
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2570, 83.4632, 99.9555



77.5311, 83.4632, 78.3533



78.6052, 83.4632, 105.5874

# Square

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



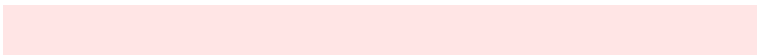
77.5311, 83.4632, 78.3533



74.8264, 83.4632, 96.1659



81.1550, 83.4632, 104.6693



84.0092, 83.4632, 85.7862



# Rectangle

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



77.5311, 83.4632, 78.3533



74.7393, 83.4632, 86.4743



81.1550, 83.4632, 104.6693



84.1034, 83.4632, 95.4272

# Sweetspot

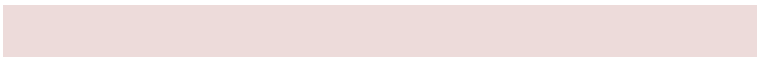
The Sweet Spot groups the original color and five complimentary colors.



77.5334, 83.4668, 78.3551



94.1405, 99.6247, 104.6281



72.9011, 73.7055, 76.7151



20.1595, 21.3277, 22.4394



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

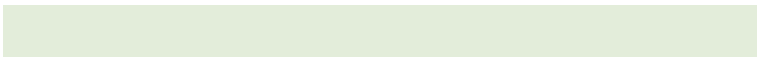
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5334, 83.4668, 78.3551



90.7185, 98.2103, 88.6704



74.4789, 81.8922, 78.2122



16.2687, 17.5840, 16.0553



33.4327, 41.7797, 6.3022



2.6494, 3.2932, 0.4960



# Inverse Universe

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



69.5742, 71.3195, 90.2243



79.1139, 80.4994, 105.9759



72.4979, 72.8268, 90.3612



14.3049, 14.5869, 18.9839



8.4655, 3.4000, 43.9531

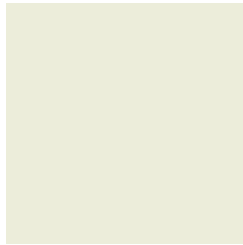


0.6908, 0.2804, 3.4526



# Previews

## White Background



This preview shows how the XYZ color 77.5311, 83.4632, 78.3533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

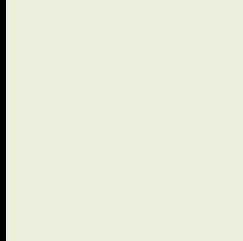
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5311, 83.4632, 78.3533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

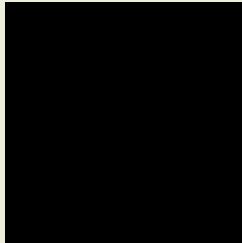
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

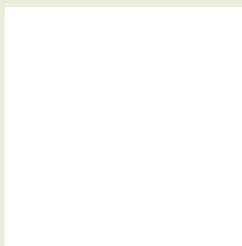
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.5311, 83.4632, 78.3533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5311, 83.4632, 78.3533.



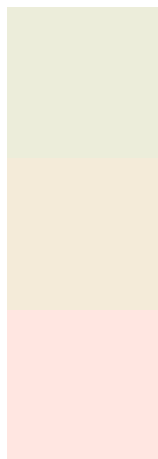
This preview shows how white text looks on a background with the XYZ color 77.5311, 83.4632,



# 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

77.5311, 83.4632, 78.3533

### Protanopia

79.5409, 83.6595, 77.6013

### Deuteranopia

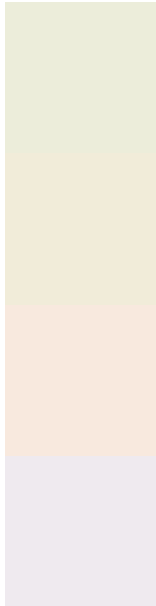
83.1274, 83.2899, 82.9294



## Tritanopia

82.5448, 83.3790, 103.0100

# Trichromacy



## Original Color

77.5311, 83.4632, 78.3533

## Protanomaly

78.7955, 83.7014, 77.6487

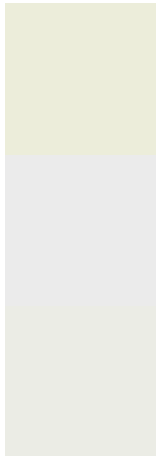
## Deuteranomaly

81.0351, 83.5082, 80.9549

## Tritanomaly

80.5994, 83.4284, 93.5166

# Monochromacy



## Original Color

77.5311, 83.4632, 78.3533

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.3993, 83.3102, 86.0771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5311, 83.4632, 78.3533 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, 237, 218) looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 218)  
}
```

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, 237, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5311, 83.4632, 78.3533 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, 237, 218) }
```



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

```
.border{ border-color:rgb(236, 237, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 237, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5311, 83.4632, 78.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 218) }
```

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

```
.background{ background-color: rgb(236,  
237, 218) }
```

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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