

Converting Colors

XYZ(77.3637, 82.9429, 77.3359)

Have a look what the booklet for
XYZ(77.3637, 82.9429, 77.3359)
contains.

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Color

**XYZ(77.4449, 83.0052,
77.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEC D9
RGB	237, 236, 217
RGB Percent	93%, 93%, 85%
CMY	0.0706, 0.0745, 0.1490
CMYK	0.00, 0.00, 0.08, 0.07
HSL	57°, 36%, 89%
HSV	57°, 8%, 93%
XYZ	77.4449, 83.0052, 77.5855
YIQ	234.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

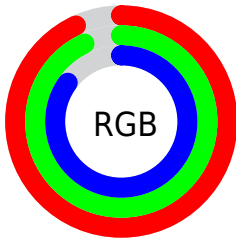
Format	Color
R _Y B	218, 237, 217
Decimal	15592665
CIE Lab	93.02, -2.89, 9.32
CIE LCh	93, 9.762, 107.248
Yxy	83.0052, 0.3254, 0.3487
Android (android.graphics.Color)	4293782745 (0xFFEDEC D9)
YUV	234.1330, -8.4466, 2.5144
Hunter-Lab	91.1072, -7.7052, 13.2846

Details

The XYZ color **77.4449, 83.0052, 77.5855** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.9727, 71.0078, 90.1922**, and the grayscale version is **78.3678, 82.4490, 89.7870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8989, 45.0749, 40.6744** is the 20% darker color. If you saturate the color by 10%, you get **74.2434, 81.1857, 62.3861**, and if you desaturate by 10%, it is **81.0960, 85.0135, 95.1209**.

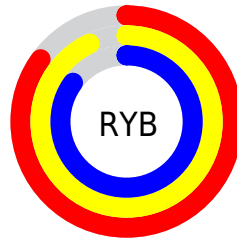
Distribution



Red (93%)

Green (93%)

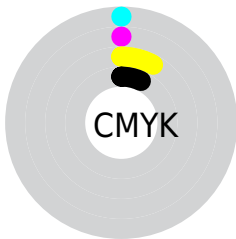
Blue (85%)



Red (85%)

Yellow (93%)

Blue (85%)

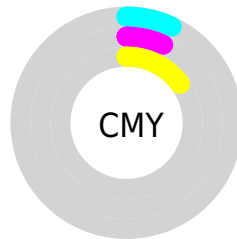


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4449, 83.0052, 77.5855 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 77.4449, 83.0052, 77.5855 by changing the saturation by 10% instead.

■ 77.4449, 83.0052,
77.5855

■ 77.4449, 83.0052,
77.5855

475.1483,
505.0039, 506.2486

■ 57.9193, 62.1944,
57.2191

128.7368,
137.5827, 131.7462

■ 41.9868, 45.1898,
40.7707

161.2338,
172.1183, 166.3776

■ 29.2820, 31.6070,
27.8216

198.7854,
211.9976, 206.6011

■ 19.4396, 21.0615,
17.9533

241.7568,
257.6050, 252.8351

■ 12.0942, 13.1689,
10.7474

290.5134,
309.3250, 305.4984

■ 6.8805, 7.5450,
5.7852

345.4207,

■ 3.4332, 3.8052,

367.5418, 365.0094

2.6483

406.8438,
432.6400, 431.7866

■ 1.3868, 1.5652,
0.9172

■ 0.2468, 0.3340,
0.0000

■ 77.4449, 83.0052,
77.5855

■ 77.4449, 83.0052,
77.5855

■ 74.2434, 81.1857,
62.3861

■ 81.0960, 85.0135,
95.1209

■ 71.4659, 79.5367,
49.4184

■ 83.6563, 86.5864,
106.9114

■ 69.0944, 78.0537,
38.5782

■ 84.0015, 87.2769,
107.0265

■ 67.1074, 76.7280,
29.7509

■ 84.3490, 87.9718,
107.1423

65.4808, 75.5501,
22.8112

84.6987, 88.6713,
107.2589

64.1883, 74.5094,
17.6196

85.0507, 89.3753,
107.3763

63.1998, 73.5938,
14.0177

85.4050, 90.0839,
107.4943

62.4796, 72.7890,
11.8181

85.7616, 90.7970,
107.6132

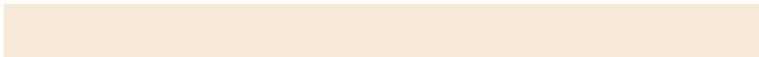
61.9767, 72.0747,
10.7516

86.1204, 91.5147,
107.7328

Harmonies

Analogous

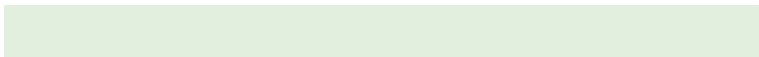
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9843, 83.0052, 77.3275



77.4449, 83.0052, 77.5855



75.3381, 83.0052, 81.1522

Triad

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



77.4449, 83.0052, 77.5855



75.6029, 83.0052, 101.1187



83.7877, 83.0052, 93.5227

Complementary

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



77.4449, 83.0052, 77.5855



68.9727, 71.0078, 90.1922

Split Complementary

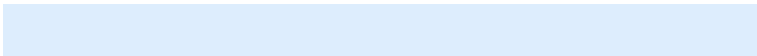
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5600, 83.0052, 100.2790



77.4449, 83.0052, 77.5855



77.8136, 83.0052, 104.8212

Square

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



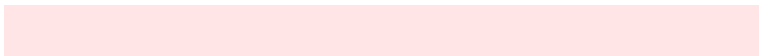
77.4449, 83.0052, 77.5855



74.2905, 83.0052, 94.6188



80.3610, 83.0052, 104.5058



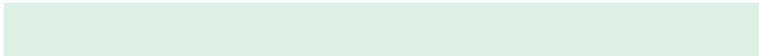
83.6838, 83.0052, 86.2669

Rectangle

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



77.4449, 83.0052, 77.5855



74.4457, 83.0052, 85.0410



80.3610, 83.0052, 104.5058



83.5160, 83.0052, 95.9349

Sweetspot

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



77.4472, 83.0088, 77.5873



93.7212, 99.2744, 102.5014



72.3939, 72.6934, 76.5466



19.9860, 21.2080, 21.5827



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.



77.4472, 83.0088, 77.5873



90.8093, 97.6581, 88.5590



74.8045, 82.0731, 77.5460



16.2840, 17.4910, 16.0366



33.8279, 39.3500, 5.8124



2.6761, 3.1295, 0.4630

Inverse Universe

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



68.9727, 71.0078, 90.1922



79.0342, 80.9830, 106.0735



71.4641, 71.9101, 90.2351



14.2913, 14.6691, 19.0004



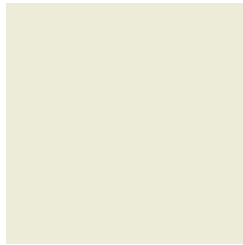
8.4434, 3.5338, 43.9800



0.6843, 0.3200, 3.4606

Previews

White Background



This preview shows how the XYZ color 77.4449, 83.0052, 77.5855 looks on a white background.

Color Contrast Check

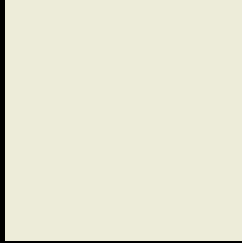
Large Text (above 18pt) WCAG AA × Fail

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 77.4449, 83.0052, 77.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

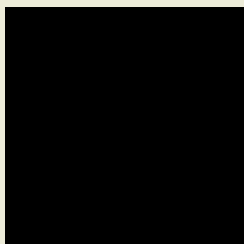
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

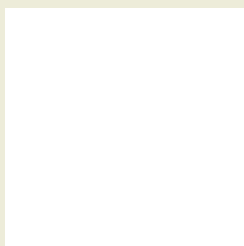
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4449, 83.0052, 77.5855

Background



This preview shows how black text looks on a background with the XYZ color 77.4449, 83.0052, 77.5855.

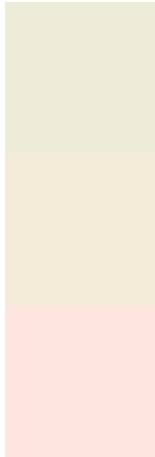


This preview shows how white text looks on a background with the XYZ color 77.4449, 83.0052,

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

77.4449, 83.0052, 77.5855

Protanopia

78.7796, 82.8582, 76.8068

Deuteranopia

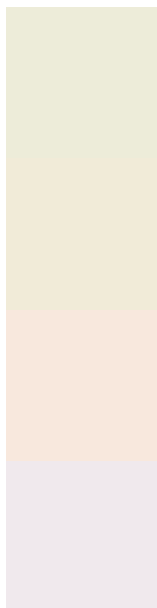
82.7139, 82.6804, 82.1204



Tritanopia

82.2927, 82.8686, 101.2805

Trichromacy



Original Color

77.4449, 83.0052, 77.5855

Protanomaly

78.3786, 83.0753, 76.8699

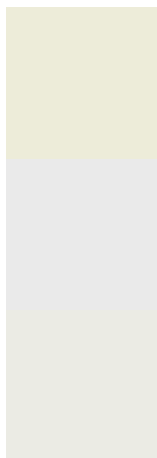
Deuteranomaly

80.6192, 82.8901, 80.1569

Tritanomaly

80.3602, 82.9175, 91.8900

Monochromacy



Original Color

77.4449, 83.0052, 77.5855

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9729, 82.6803, 85.2481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4449, 83.0052, 77.5855 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(237, 236, 217) looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 217)  
}
```

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(237, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.4449, 83.0052, 77.5855 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(237, 236, 217) }
```


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

```
.border{ border-color:rgb(237, 236, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 217);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4449, 83.0052, 77.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 217) }
```

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

```
.background{ background-color: rgb(237,  
236, 217) }
```

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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