

Converting Colors

XYZ(77.9188, 83.7979, 77.2310)

Have a look what the booklet for
XYZ(77.9188, 83.7979, 77.2310)
contains.

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Color

**XYZ(77.9388, 83.7034,
77.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEDD8
RGB	238, 237, 216
RGB Percent	93%, 93%, 85%
CMY	0.0667, 0.0706, 0.1529
CMYK	0.00, 0.00, 0.09, 0.07
HSL	57°, 39%, 89%
HSV	57°, 9%, 93%
XYZ	77.9388, 83.7034, 77.0143
YIQ	234.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

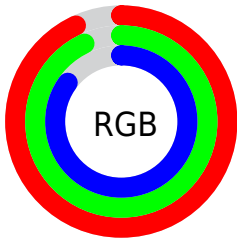
Format	Color
R _Y B	217, 238, 216
Decimal	15658456
CIE Lab	93.32, -3.22, 10.29
CIE LCh	93, 10.780, 107.368
Yxy	83.7034, 0.3266, 0.3507
Android (android.graphics.Color)	4293848536 (0xFFEEEDD8)
YUV	234.9050, -9.3202, 2.7143
Hunter-Lab	91.4896, -8.0448, 14.1334

Details

The XYZ color **77.9388, 83.7034, 77.0143** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.5644, 70.3966, 90.8641**, and the grayscale version is **78.9601, 83.0722, 90.4656**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2483, 45.5660, 40.2866** is the 20% darker color. If you saturate the color by 10%, you get **74.7721, 81.9420, 61.8619**, and if you desaturate by 10%, it is **81.5577, 85.6541, 94.5182**.

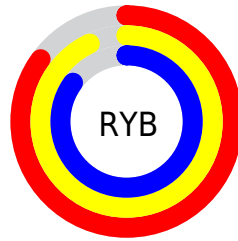
Distribution



Red (93%)

Green (93%)

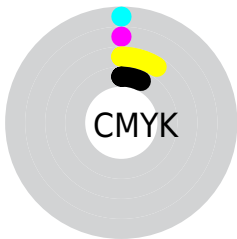
Blue (85%)



Red (85%)

Yellow (93%)

Blue (85%)

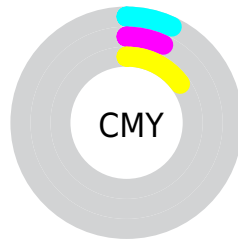


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9388, 83.7034, 77.0143 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 77.9388, 83.7034, 77.0143 by changing the saturation by 10% instead.

■ 77.9388, 83.7034,
77.0143

■ 77.9388, 83.7034,
77.0143

476.8020,
507.3278, 504.2517

■ 58.3263, 62.7706,
56.7530

129.4297,
138.5602, 130.9329

■ 42.3153, 45.6556,
40.3989

162.0388,
173.2530, 165.4272

■ 29.5405, 31.9742,
27.5336

199.7108,
213.3012, 205.5029

■ 19.6364, 21.3418,
17.7384

242.8110,
259.0893, 251.5786

■ 12.2377, 13.3741,
10.5948

291.7049,
311.0016, 304.0728

■ 6.9791, 7.6866,
5.6844

346.7578,

■ 3.4953, 3.8951,

369.4225, 363.4040

2.5885

408.3350,
434.7364, 429.9908

■ 1.4208, 1.6150,
0.8865

■ 0.2709, 0.3677,
0.0000

■ 77.9388, 83.7034,
77.0143

■ 77.9388, 83.7034,
77.0143

■ 74.7721, 81.9420,
61.8619

■ 81.5577, 85.6541,
94.5182

■ 72.0316, 80.3514,
48.9551

■ 84.2236, 87.2239,
107.0046

■ 69.6993, 78.9271,
38.1881

■ 84.5401, 87.8569,
107.1101

■ 67.7529, 77.6600,
29.4443

■ 84.8585, 88.4937,
107.2162

66.1681, 76.5407,
22.5959

85.1788, 89.1343,
107.3230

64.9181, 75.5581,
17.5010

85.5009, 89.7786,
107.4304

63.9720, 74.7001,
13.9972

85.8250, 90.4267,
107.5384

63.2933, 73.9521,
11.8923

86.1510, 91.0787,
107.6470

62.8251, 73.2912,
10.8871

86.4788, 91.7344,
107.7563

Harmonies

Analogous

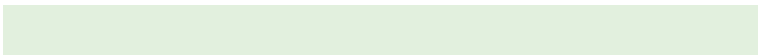
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7576, 83.7034, 76.7158



77.9388, 83.7034, 77.0143



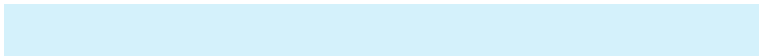
75.6077, 83.7034, 80.9528

Triad

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



77.9388, 83.7034, 77.0143



75.9165, 83.7034, 103.1343



85.0053, 83.7034, 94.6014

Complementary

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



77.9388, 83.7034, 77.0143



68.5644, 70.3966, 90.8641

Split Complementary

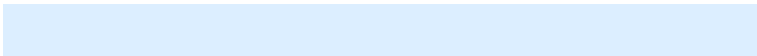
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6426, 83.7034, 102.1452



77.9388, 83.7034, 77.0143



78.3695, 83.7034, 107.2649

Square

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



77.9388, 83.7034, 77.0143



74.4594, 83.7034, 95.8868



81.1986, 83.7034, 106.8925



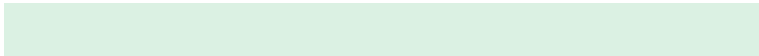
84.8833, 83.7034, 86.5502

Rectangle

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



77.9388, 83.7034, 77.0143



74.6236, 83.7034, 85.2529



81.1986, 83.7034, 106.8925



84.7044, 83.7034, 97.2895

Sweetspot

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



77.9411, 83.7071, 77.0161



93.7322, 99.2964, 102.5050



72.3543, 72.3051, 75.8579



19.9889, 21.2140, 21.5837



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

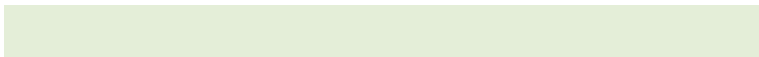
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9411, 83.7071, 77.0161



90.4547, 97.5162, 86.6919



74.9969, 82.6183, 76.9611



17.0580, 18.3292, 16.7886



35.0584, 40.9149, 6.0496



2.9353, 3.4413, 0.5095

Inverse Universe

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



68.5644, 70.3966, 90.8641



77.5165, 79.1503, 105.7997



71.3223, 71.4386, 90.9198



14.9546, 15.3434, 19.8950



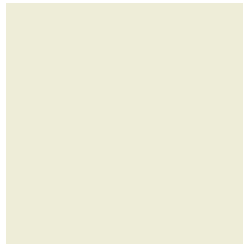
8.7000, 3.6243, 45.3689



0.7438, 0.3416, 3.7809

Previews

White Background



This preview shows how the XYZ color 77.9388, 83.7034, 77.0143 looks on a white background.

Color Contrast Check

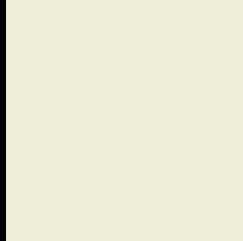
Large Text (above 18pt) WCAG AA × Fail

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 77.9388, 83.7034, 77.0143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

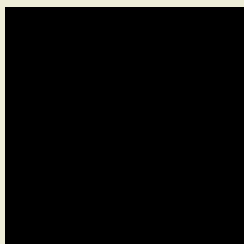
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

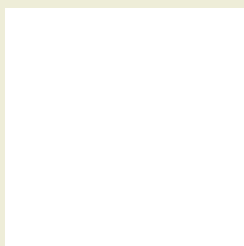
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9388, 83.7034, 77.0143

Background



This preview shows how black text looks on a background with the XYZ color 77.9388, 83.7034, 77.0143.

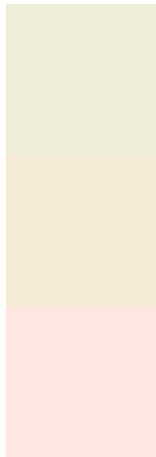


This preview shows how white text looks on a background with the XYZ color 77.9388, 83.7034,

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

77.9388, 83.7034, 77.0143

Protanopia

79.6303, 83.7354, 76.2556

Deuteranopia

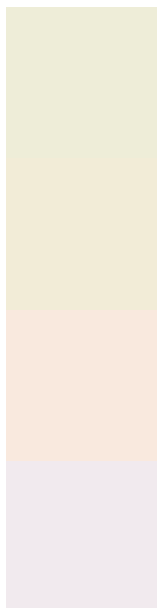
83.4065, 83.8481, 83.0225



Tritanopia

83.0741, 83.6700, 102.2139

Trichromacy



Original Color

77.9388, 83.7034, 77.0143

Protanomaly

78.8791, 83.7744, 76.3027

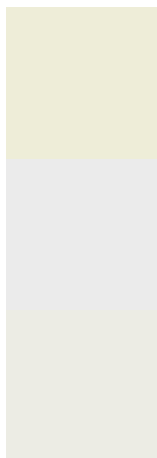
Deuteranomaly

81.3907, 83.6915, 80.9716

Tritanomaly

81.1311, 83.7195, 92.7723

Monochromacy



Original Color

77.9388, 83.7034, 77.0143

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5911, 83.4252, 85.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9388, 83.7034, 77.0143 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(238, 237, 216) looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 216)  
}
```

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(238, 237, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 216) }
```

Border

The CSS property to change the border of an element to XYZ 77.9388, 83.7034, 77.0143 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(238, 237, 216) }
```


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

```
.border{ border-color:rgb(238, 237, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 216);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9388, 83.7034, 77.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 216) }
```

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

```
.background{ background-color: rgb(238,  
237, 216) }
```

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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