

Converting Colors

XYZ(77.7577, 83.5560, 73.0031)

Have a look what the booklet for
XYZ(77.7577, 83.5560, 73.0031)
contains.

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Color

**XYZ(77.8522, 83.7468,
73.0343)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EDD2
RGB	240, 237, 210
RGB Percent	94%, 93%, 82%
CMY	0.0588, 0.0706, 0.1765
CMYK	0.00, 0.01, 0.12, 0.06
HSL	54°, 50%, 88%
HSV	54°, 12%, 94%
XYZ	77.8522, 83.7468, 73.0343
YIQ	234.8190, 10.4550, -7.7610

Conversions

Conversions Part 2

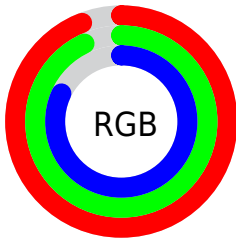
Format	Color
R _Y B	213, 240, 210
Decimal	15789522
CIE Lab	93.34, -3.47, 13.45
CIE LCh	93, 13.886, 104.482
Yxy	83.7468, 0.3318, 0.3569
Android (android.graphics.Color)	4293979602 (0xFFFF0EDD2)
YUV	234.8190, -12.2358, 4.5437
Hunter-Lab	91.5133, -8.2947, 16.7415

Details

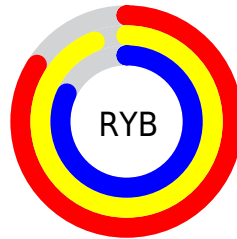
The XYZ color **77.8522, 83.7468, 73.0343** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.1006, 67.5801, 91.9991**, and the grayscale version is **78.9144, 83.0241, 90.4133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2918, 45.6384, 38.0326** is the 20% darker color. If you saturate the color by 10%, you get **74.3954, 81.2643, 58.2199**, and if you desaturate by 10%, it is **81.7713, 86.4346, 90.2171**.

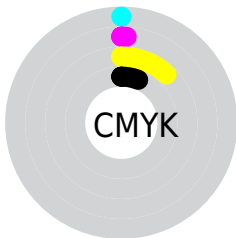
Distribution



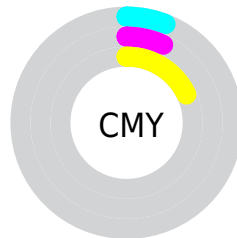
- Red (94%)
- Green (93%)
- Blue (82%)



- Red (84%)
- Yellow (94%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8522, 83.7468, 73.0343 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 77.8522, 83.7468, 73.0343 by changing the saturation by 10% instead.

■ 77.8522, 83.7468,
73.0343

■ 77.8522, 83.7468,
73.0343

476.5122,
507.4720, 490.2076

■ 58.2549, 62.8064,
53.5120

129.3082,
138.6209, 125.2473

■ 42.2577, 45.6846,
37.8211

161.8977,
173.3235, 158.7750

■ 29.4951, 31.9970,
25.5432

199.5486,
213.3822, 197.8084

■ 19.6018, 21.3592,
16.2595

242.6263,
259.1814, 242.7658

■ 12.2125, 13.3868,
9.5516

291.4962,
311.1057, 294.0660

■ 6.9618, 7.6955,
5.0010

346.5235,

■ 3.4844, 3.9007,

369.5392, 352.1273

2.1891

408.0738,
434.8666, 417.3683

■ 1.4148, 1.6182,
0.6681

■ 0.2667, 0.3698,
0.0000

■ 77.8522, 83.7468,
73.0343

■ 77.8522, 83.7468,
73.0343

■ 74.3954, 81.2643,
58.2199

■ 81.7713, 86.4346,
90.2171

■ 71.3741, 78.9680,
45.6637

■ 85.6774, 89.1294,
107.2957

■ 68.7693, 76.8529,
35.2550

■ 86.3945, 90.5635,
107.5348

■ 66.5575, 74.9098,
26.8711

■ 87.1209, 92.0163,
107.7769

■ 64.7133, 73.1283,
20.3776

■ 87.8567, 93.4879,
108.0222

■ 63.2079, 71.4968,
15.6233

■ 88.6019, 94.9784,
108.2706

■ 62.0082, 70.0022,
12.4342

■ 89.3567, 96.4879,
108.5222

■ 61.0742, 68.6282,
10.5999

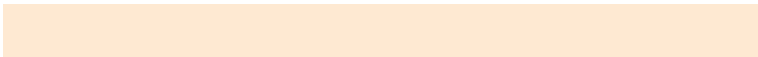
■ 89.7454, 97.2654,
108.6518

■ 60.5019, 67.6584,
9.8706

Harmonies

Analogous

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



81.4961, 83.7468, 73.1156



77.8522, 83.7468, 73.0343



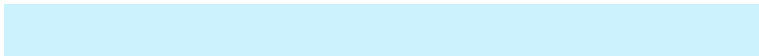
74.7699, 83.7468, 77.5517

Triad

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



77.8522, 83.7468, 73.0343



74.6837, 83.7468, 106.0465



86.5726, 83.7468, 96.6839

Complementary

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



77.8522, 83.7468, 73.0343



66.1006, 67.5801, 91.9991

Split Complementary

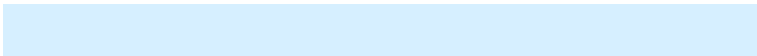
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6313, 83.7468, 106.3314



77.8522, 83.7468, 73.0343



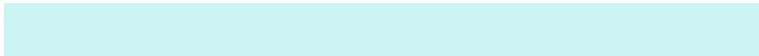
77.7313, 83.7468, 112.0125

Square

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



77.8522, 83.7468, 73.0343



72.9789, 83.7468, 96.3187



81.3714, 83.7468, 112.1207



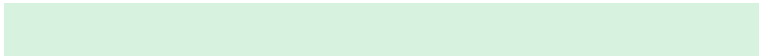
86.6074, 83.7468, 86.2391

Rectangle

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



77.8522, 83.7468, 73.0343



73.4166, 83.7468, 82.7780



81.3714, 83.7468, 112.1207



86.1187, 83.7468, 100.1450

Sweetspot

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



77.8545, 83.7505, 73.0361



93.1269, 98.7124, 100.3713



70.9930, 69.4237, 72.6104



19.8577, 21.0776, 21.1511



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.



77.8545, 83.7505, 73.0361



88.2858, 95.3646, 79.2293



74.7887, 83.4681, 73.1432



16.9802, 18.1735, 16.7626



33.1756, 37.1492, 5.4220



2.7986, 3.1678, 0.4639

Inverse Universe

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



66.1006, 67.5801, 91.9991



72.3337, 73.4188, 104.9666



68.9000, 67.9153, 91.9162



15.0242, 15.4825, 19.9182



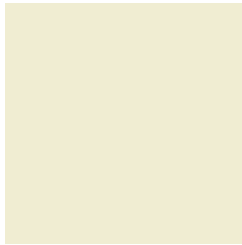
8.8315, 3.8873, 45.4127



0.7770, 0.4081, 3.7920

Previews

White Background



This preview shows how the XYZ color 77.8522, 83.7468, 73.0343 looks on a white background.

Color Contrast Check

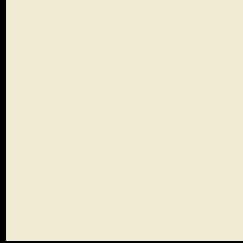
Large Text (above 18pt) WCAG AA × Fail

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 77.8522, 83.7468, 73.0343 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

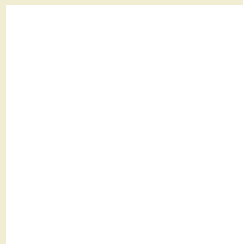
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8522, 83.7468, 73.0343

Background



This preview shows how black text looks on a background with the XYZ color 77.8522, 83.7468, 73.0343.

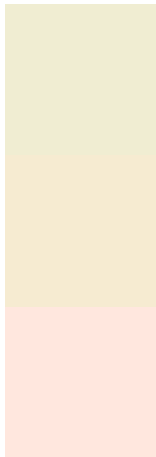


This preview shows how white text looks on a background with the XYZ color 77.8522, 83.7468,

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

77.8522, 83.7468, 73.0343

Protanopia

79.2230, 83.6129, 72.2850

Deuteranopia

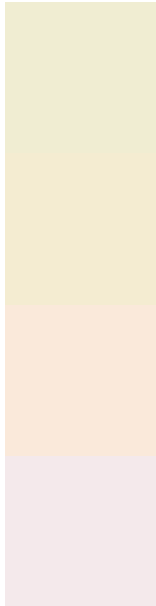
83.0007, 83.6858, 80.8856



Tritanopia

83.8373, 83.6468, 102.1692

Trichromacy



Original Color

77.8522, 83.7468, 73.0343

Protanomaly

78.8123, 83.8275, 72.3481

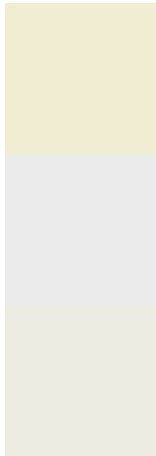
Deuteranomaly

81.2181, 83.6638, 78.1977

Tritanomaly

81.4425, 83.5091, 90.4236

Monochromacy



Original Color

77.8522, 83.7468, 73.0343

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6480, 83.4864, 83.9208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8522, 83.7468, 73.0343 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(240, 237, 210) looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 210)  
}
```

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(240, 237, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 210) }
```

Border

The CSS property to change the border of an element to XYZ 77.8522, 83.7468, 73.0343 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(240, 237, 210) }
```


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

```
.border{ border-color:rgb(240, 237, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 210);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8522, 83.7468, 73.0343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 210) }
```

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

```
.background{ background-color: rgb(240,  
237, 210) }
```

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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