

Converting Colors

XYZ(77.7540, 83.3244, 70.3777)

Have a look what the booklet for
XYZ(77.7540, 83.3244, 70.3777)
contains.

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Color

**XYZ(77.7540, 83.3244,
70.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	F2ECCE
RGB	242, 236, 206
RGB Percent	95%, 93%, 81%
CMY	0.0510, 0.0745, 0.1921
CMYK	0.00, 0.02, 0.15, 0.05
HSL	50°, 58%, 88%
HSV	50°, 15%, 95%
XYZ	77.7540, 83.3244, 70.3777
YIQ	234.3740, 13.2060, -8.0580

Conversions

Conversions Part 2

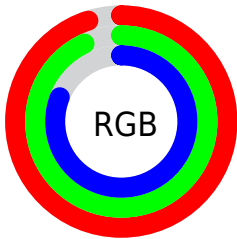
Format	Color
R_{YB}	213, 242, 206
Decimal	15920334
CIE _{Lab}	93.16, -2.88, 15.28
CIE _{LCh}	93, 15.545, 100.661
Y _{xy}	83.3244, 0.3359, 0.3600
Android (android.graphics.Color)	4294110414 (0xFFFF2ECCE)
YUV	234.3740, -13.9884, 6.6880
Hunter-Lab	91.2822, -7.6979, 18.1855

Details

The XYZ color **77.7540, 83.3244, 70.3777** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.0239, 66.6183, 93.4366**, and the grayscale version is **78.5877, 82.6804, 90.0390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2385, 45.3486, 36.2327** is the 20% darker color. If you saturate the color by 10%, you get **73.8911, 79.9463, 55.6854**, and if you desaturate by 10%, it is **82.1003, 86.9433, 87.4663**.

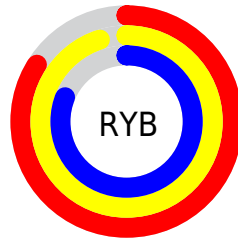
Distribution



Red (95%)

Green (93%)

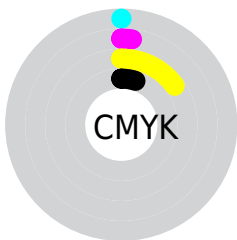
Blue (81%)



Red (84%)

Yellow (95%)

Blue (81%)

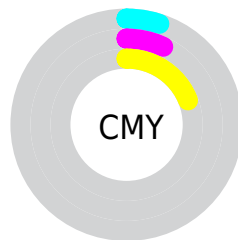


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (5%)



Cyan (5%)

Magenta (7%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7540, 83.3244, 70.3777 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 77.7540, 83.3244, 70.3777 by changing the saturation by 10% instead.

77.7540, 83.3244,
70.3777

77.7540, 83.3244,
70.3777

476.1836,
506.0670, 480.7000

58.1740, 62.4578,
51.3558

129.1705,
138.0297, 121.4334

42.1924, 45.4027,
36.1132

161.7377,
172.6372, 154.3043

29.4437, 31.7747,
24.2312

199.3646,
212.5938, 192.6285

19.5627, 21.1895,
15.2914

242.4168,
258.2839, 236.8248

12.1840, 13.2626,
8.8753

291.2593,
310.0919, 287.3115

6.9422, 7.6096,
4.5642

346.2578,

3.4720, 3.8462,

368.4021, 344.5072

1.9397

407.7774,
433.5990, 408.8305

■ 1.4080, 1.5879,
0.5178

■ 0.2619, 0.3494,
0.0000

■ 77.7540, 83.3244,
70.3777

■ 77.7540, 83.3244,
70.3777

■ 73.8911, 79.9463,
55.6854

■ 82.1003, 86.9433,
87.4663

■ 70.4841, 76.7894,
43.2752

■ 86.9427, 90.8000,
107.0477

■ 67.5128, 73.8481,
33.0319

■ 88.2652, 93.2913,
107.9627

■ 64.9527, 71.1124,
24.8277

■ 89.5182, 95.7974,
108.3804

■ 62.7770, 68.5713,
18.5215

■ 90.4282, 97.6174,
108.6837

■ 60.9552, 66.2122,
13.9544

■ 59.4521, 64.0208,
10.9414

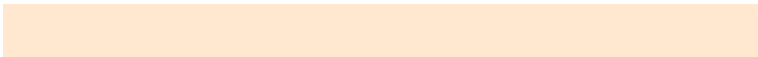
■ 58.2244, 61.9795,
9.2553

■ 57.6686, 60.9782,
8.7305

Harmonies

Analogous

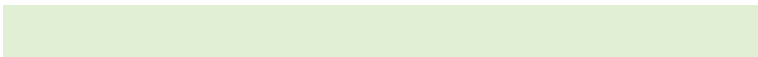
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8254, 83.3244, 71.1236



77.7540, 83.3244, 70.3777



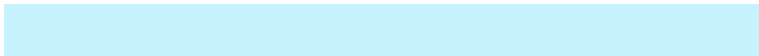
74.1919, 83.3244, 74.7185

Triad

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



77.7540, 83.3244, 70.3777



73.3906, 83.3244, 106.1770



86.8375, 83.3244, 98.3764

Complementary

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



77.7540, 83.3244, 70.3777



65.0239, 66.6183, 93.4366

Split Complementary

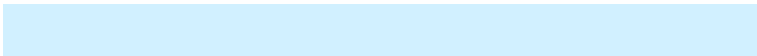
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4230, 83.3244, 108.8708



77.7540, 83.3244, 70.3777



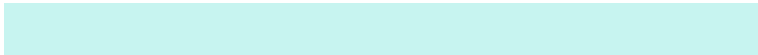
76.6262, 83.3244, 113.6351

Square

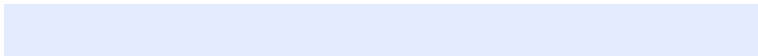
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



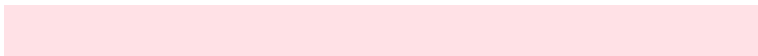
77.7540, 83.3244, 70.3777



71.7308, 83.3244, 94.9490



80.6584, 83.3244, 114.6612



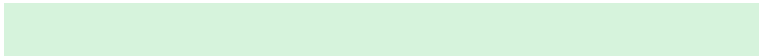
87.1648, 83.3244, 86.6303

Rectangle

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



77.7540, 83.3244, 70.3777



72.5496, 83.3244, 80.1506



80.6584, 83.3244, 114.6612



86.2393, 83.3244, 102.1932

Sweetspot

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



77.7562, 83.3281, 70.3795



92.9114, 98.2814, 100.2995



70.5739, 67.7745, 71.6506



19.8030, 20.9681, 21.1329



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.



77.7562, 83.3281, 70.3795



86.1309, 92.6081, 73.7221



75.5267, 84.7843, 70.7781



16.8858, 17.9847, 16.7311



31.0669, 32.9318, 4.7191



2.6433, 2.8574, 0.4122

Inverse Universe

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



65.0239, 66.6183, 93.4366



69.1196, 70.2836, 104.5308



67.0128, 65.4601, 93.1082



15.1099, 15.6540, 19.9467



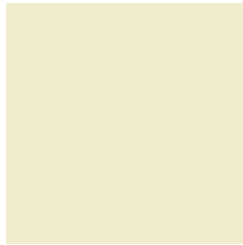
9.0888, 4.4018, 45.4985



0.8177, 0.4893, 3.8056

Previews

White Background



This preview shows how the XYZ color 77.7540, 83.3244, 70.3777 looks on a white background.

Color Contrast Check

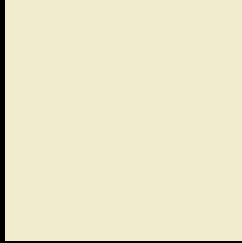
Large Text (above 18pt) WCAG AA × Fail

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 77.7540, 83.3244, 70.3777 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 77.7540, 83.3244, 70.3777

Background



This preview shows how black text looks on a background with the XYZ color 77.7540, 83.3244, 70.3777.

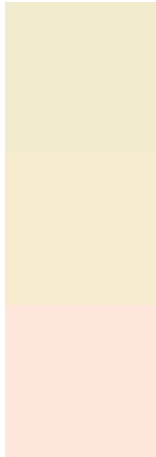


This preview shows how white text looks on a background with the XYZ color 77.7540, 83.3244,

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

77.7540, 83.3244, 70.3777

Protanopia

78.7338, 83.4173, 69.7090

Deuteranopia

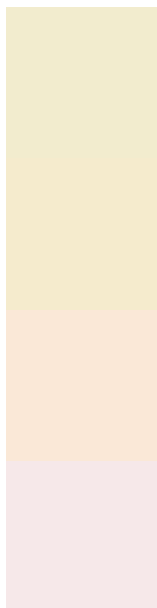
82.4551, 83.0209, 79.3889



Tritanopia

83.9515, 83.3274, 100.4660

Trichromacy



Original Color

77.7540, 83.3244, 70.3777

Protanomaly

78.3840, 83.2369, 69.6927

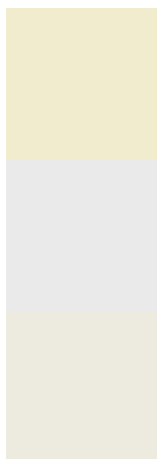
Deuteranomaly

80.5467, 82.9435, 76.0544

Tritanomaly

81.5706, 83.1892, 88.8487

Monochromacy



Original Color

77.7540, 83.3244, 70.3777

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0879, 82.8030, 82.3879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7540, 83.3244, 70.3777 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(242, 236, 206)` looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 206)  
}
```

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(242, 236, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 206) }
```

Border

The CSS property to change the border of an element to XYZ 77.7540, 83.3244, 70.3777 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(242, 236, 206) }
```


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

```
.border{ border-color:rgb(242, 236, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 236, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 206);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7540, 83.3244, 70.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 206) }
```

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

```
.background{ background-color: rgb(242,  
236, 206) }
```

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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