

Converting Colors

XYZ(76.9295, 83.2473, 70.6939)

Have a look what the booklet for
XYZ(76.9295, 83.2473, 70.6939)
contains.

XYZ(77.0214, 83.3753, 70.4261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.0214, 83.3753,
70.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEDCE
RGB	239, 237, 206
RGB Percent	94%, 93%, 81%
CMY	0.0627, 0.0706, 0.1921
CMYK	0.00, 0.01, 0.14, 0.06
HSL	56°, 51%, 87%
HSV	56°, 14%, 94%
XYZ	77.0214, 83.3753, 70.4261
YIQ	234.0640, 11.1430, -9.2170

Conversions

Conversions Part 2

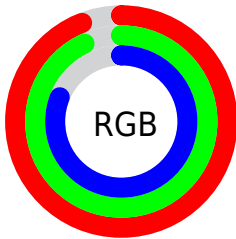
Format	Color
R _Y B	208, 239, 206
Decimal	15723982
CIE Lab	93.18, -4.44, 15.28
CIE LCh	93, 15.909, 106.224
Yxy	83.3753, 0.3337, 0.3612
Android (android.graphics.Color)	4293914062 (0xFFEFEDCE)
YUV	234.0640, -13.8356, 4.3289
Hunter-Lab	91.3101, -9.2252, 18.1876

Details

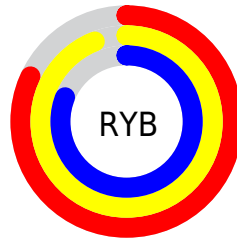
The XYZ color **77.0214, 83.3753, 70.4261** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.5894, 64.4645, 90.7535**, and the grayscale version is **78.3526, 82.4331, 89.7696**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7198, 45.3820, 36.2665** is the 20% darker color. If you saturate the color by 10%, you get **73.9201, 81.4708, 56.1406**, and if you desaturate by 10%, it is **80.5721, 85.4705, 87.0416**.

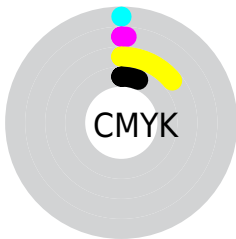
Distribution



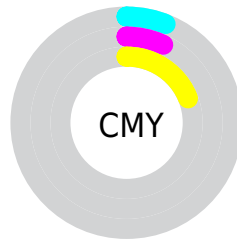
- Red (94%)
- Green (93%)
- Blue (81%)



- Red (82%)
- Yellow (94%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0214, 83.3753, 70.4261 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 77.0214, 83.3753, 70.4261 by changing the saturation by 10% instead.

77.0214, 83.3753,
70.4261

77.0214, 83.3753,
70.4261

473.7278,
506.2364, 480.8742

57.5704, 62.4998,
51.3950

128.1424,
138.1010, 121.5030

41.7053, 45.4367,
36.1442

160.5431,
172.7199, 154.3859

29.0607, 31.8015,
24.2550

197.9911,
212.6889, 192.7232

19.2713, 21.2099,
15.3089

240.8517,
258.3921, 236.9334

11.9716, 13.2775,
8.8875

289.4903,
310.2141, 287.4351

6.7964, 7.6199,
4.5720

344.2723,

3.3803, 3.8527,

368.5392, 344.6468

1.9441

405.5630,
433.7519, 408.9869

■ 1.3579, 1.5915,
0.5206

■ 0.2259, 0.3519,
0.0000

■ 77.0214, 83.3753,
70.4261

■ 77.0214, 83.3753,
70.4261

■ 73.9201, 81.4708,
56.1406

■ 80.5721, 85.4705,
87.0416

■ 71.2417, 79.7380,
44.0750

■ 84.5841, 87.7529,
106.0798

■ 68.9669, 78.1721,
34.1185

■ 85.2033, 88.6836,
107.2347

■ 67.0724, 76.7636,
26.1485

■ 85.6336, 89.5441,
107.3781

■ 65.5327, 75.5024,
20.0299

■ 86.0673, 90.4115,
107.5227

■ 64.3188, 74.3769,
15.6106

■ 86.5043, 91.2857,
107.6684

■ 63.3973, 73.3736,
12.7147

■ 86.9448, 92.1667,
107.8152

■ 62.7275, 72.4763,
11.1278

■ 87.3888, 93.0545,
107.9632

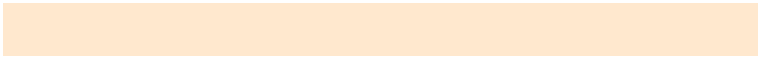
■ 62.4008, 71.9585,
10.6005

■ 87.8361, 93.9493,
108.1123

Harmonies

Analogous

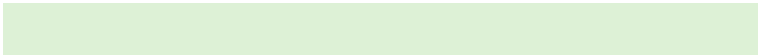
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1749, 83.3753, 70.2114



77.0214, 83.3753, 70.4261



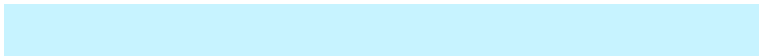
73.5832, 83.3753, 75.7704

Triad

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



77.0214, 83.3753, 70.4261



73.8145, 83.3753, 108.4358



87.3105, 83.3753, 96.3735

Complementary

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



77.0214, 83.3753, 70.4261



63.5894, 64.4645, 90.7535

Split Complementary

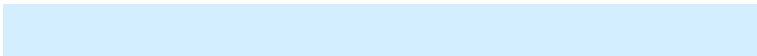
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1915, 83.3753, 107.6548



77.0214, 83.3753, 70.4261



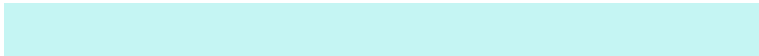
77.3473, 83.3753, 115.0215

Square

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



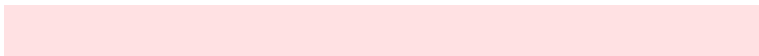
77.0214, 83.3753, 70.4261



71.7767, 83.3753, 97.3654



81.5125, 83.3753, 114.7238



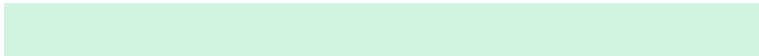
87.2157, 83.3753, 84.5013

Rectangle

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



77.0214, 83.3753, 70.4261



72.1161, 83.3753, 81.8146



81.5125, 83.3753, 114.7238



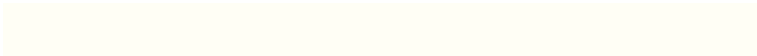
86.8304, 83.3753, 100.3808

Sweetspot

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



77.0236, 83.3790, 70.4279



93.2545, 98.9675, 100.4138



69.0787, 67.0584, 69.1075



19.8901, 21.1424, 21.1619



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.



77.0236, 83.3790, 70.4279



88.0091, 95.8549, 75.9194



72.9659, 82.1495, 70.4044



17.0363, 18.2857, 16.7813



34.5191, 39.8364, 5.8698



2.8963, 3.3633, 0.4965

Inverse Universe

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



63.5894, 64.4645, 90.7535



69.2158, 69.3956, 104.3544



67.2584, 65.6383, 90.7867



14.9740, 15.3820, 19.9014



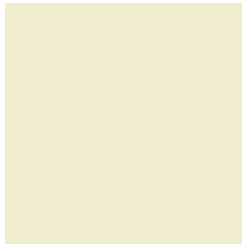
8.7307, 3.6856, 45.3791



0.7531, 0.3601, 3.7840

Previews

White Background



This preview shows how the XYZ color 77.0214, 83.3753, 70.4261 looks on a white background.

Color Contrast Check

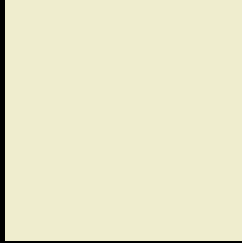
Large Text (above 18pt) WCAG AA × Fail

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 77.0214, 83.3753, 70.4261 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

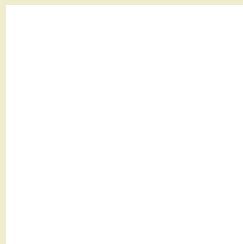
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0214, 83.3753, 70.4261

Background



This preview shows how black text looks on a background with the XYZ color 77.0214, 83.3753, 70.4261.



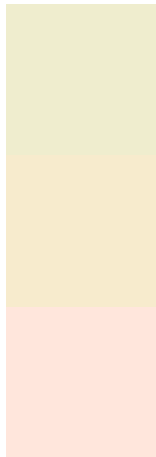
This preview shows how white text looks on a background with the XYZ color 77.0214, 83.3753,

70.4261.

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

77.0214, 83.3753, 70.4261

Protanopia

79.0855, 83.5986, 69.7255

Deuteranopia

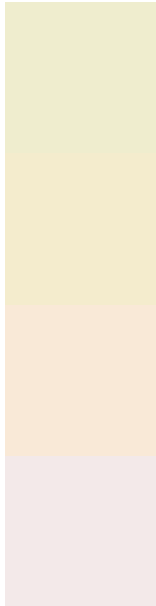
82.4551, 83.0209, 79.3889



Tritanopia

83.3310, 83.4039, 101.3291

Trichromacy



Original Color

77.0214, 83.3753, 70.4261

Protanomaly

78.3231, 83.6318, 69.7721

Deuteranomaly

80.4716, 83.3239, 76.1318

Tritanomaly

80.8090, 83.2157, 88.8939

Monochromacy



Original Color

77.0214, 83.3753, 70.4261

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7549, 82.6313, 82.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0214, 83.3753, 70.4261 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(239, 237, 206)` looks like.

```
.text, #text, p{  
    color:rgb(239, 237, 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(239, 237, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 237, 206) }
```

Border

The CSS property to change the border of an element to XYZ 77.0214, 83.3753, 70.4261 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(239, 237, 206) }
```


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

```
.border{ border-color:rgb(239, 237, 206) }
```

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

Here you see how a box with a 4 pixel rgb(239, 237, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 237, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 237, 206);  
box-shadow:4px 4px 4px 4px rgb(239, 237,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0214, 83.3753, 70.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 237, 206) }
```

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

```
.background{ background-color: rgb(239,  
237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor