

Converting Colors

XYZ(76.7022, 81.5951, 70.2100)

Have a look what the booklet for
XYZ(76.7022, 81.5951, 70.2100)
contains.

XYZ(76.5551, 81.4348, 70.0761) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(76.5551, 81.4348,
70.0761)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E9CE
RGB	241, 233, 206
RGB Percent	95%, 91%, 81%
CMY	0.0549, 0.0863, 0.1921
CMYK	0.00, 0.03, 0.15, 0.05
HSL	46°, 56%, 88%
HSV	46°, 15%, 95%
XYZ	76.5551, 81.4348, 70.0761
YIQ	232.3140, 13.4350, -6.7010

Conversions

Conversions Part 2

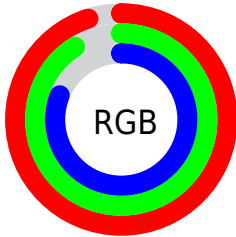
Format	Color
R _Y B	216, 241, 206
Decimal	15854030
CIE Lab	92.32, -1.71, 14.09
CIE LCh	92, 14.194, 96.911
Yxy	81.4348, 0.3357, 0.3571
Android (android.graphics.Color)	4294044110 (0xFFFF1E9CE)
YUV	232.3140, -12.9728, 7.6176
Hunter-Lab	90.2412, -6.4938, 17.1277

Details

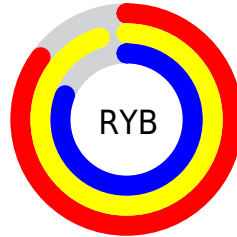
The XYZ color **76.5551, 81.4348, 70.0761** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3771, 67.5645, 92.8153**, and the grayscale version is **77.0259, 81.0372, 88.2495**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3972, 44.0256, 36.0217** is the 20% darker color. If you saturate the color by 10%, you get **72.3155, 77.2867, 55.3091**, and if you desaturate by 10%, it is **81.2967, 85.8670, 87.2271**.

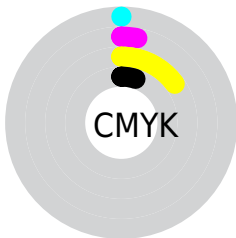
Distribution



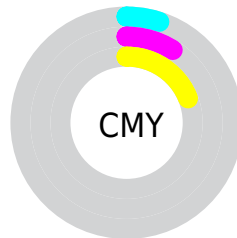
- Red (95%)
- Green (91%)
- Blue (81%)



- Red (85%)
- Yellow (95%)
- Blue (81%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5551, 81.4348, 70.0761 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 76.5551, 81.4348, 70.0761 by changing the saturation by 10% instead.

76.5551, 81.4348,
70.0761

76.5551, 81.4348,
70.0761

472.1610,
499.7552, 479.6135

57.1865, 60.8998,
51.1114

127.4874,
135.3811, 120.9994

41.3957, 44.1443,
35.9199

159.7819,
169.5612, 153.7951

28.8174, 30.7840,
24.0832

197.1156,
209.0584, 192.0382

19.0863, 20.4344,
15.1825

239.8539,
254.2571, 236.1472

11.8371, 12.7112,
8.7996

288.3623,
305.5417, 286.5407

6.7042, 7.2300,
4.5156

343.0060,

3.3225, 3.6063,

363.2967, 343.6372

1.9123

404.1505,
427.9064, 407.8553

■ 1.3265, 1.4559,
0.5005

■ 0.2029, 0.2574,
0.0000

■ 76.5551, 81.4348,
70.0761

■ 76.5551, 81.4348,
70.0761

■ 72.3155, 77.2867,
55.3091

■ 81.2967, 85.8670,
87.2271

■ 68.5504, 73.4028,
42.8135

■ 86.5533, 90.5809,
106.8576

■ 65.2398, 69.7771,
32.4751

■ 88.3631, 93.9952,
108.0934

■ 62.3592, 66.3990,
24.1679

■ 90.0859, 97.4409,
108.6677

■ 59.8818, 63.2572,
17.7529

■ 57.7774, 60.3388,
13.0731

■ 56.0109, 57.6291,
9.9466

■ 54.5397, 55.1101,
8.1504

■ 53.8239, 53.7969,
7.5470

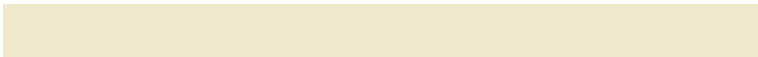
Harmonies

Analogous

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



80.2026, 81.4348, 71.3423



76.5551, 81.4348, 70.0761



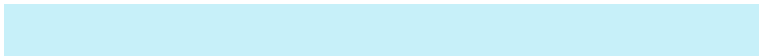
73.2390, 81.4348, 73.4673

Triad

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



76.5551, 81.4348, 70.0761



71.8935, 81.4348, 101.3720



84.0778, 81.4348, 96.8350

Complementary

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



76.5551, 81.4348, 70.0761



65.3771, 67.5645, 92.8153

Split Complementary

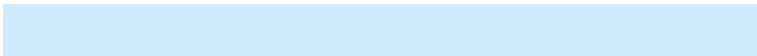
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7184, 81.4348, 105.8344



76.5551, 81.4348, 70.0761



74.6661, 81.4348, 108.5950

Square

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



76.5551, 81.4348, 70.0761



70.6033, 81.4348, 91.1234



78.2538, 81.4348, 110.2893



84.6223, 81.4348, 86.2584

Rectangle

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



76.5551, 81.4348, 70.0761



71.6368, 81.4348, 78.0838



78.2538, 81.4348, 110.2893



83.4671, 81.4348, 100.1693

Sweetspot

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



76.5573, 81.4384, 70.0778



92.7121, 97.8827, 100.2330



70.5068, 67.7080, 73.0839



19.7524, 20.8670, 21.1160



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.



76.5573, 81.4384, 70.0778



85.7614, 91.3596, 75.1702



75.7673, 84.4677, 70.7042



16.7989, 17.8109, 16.7022



29.2939, 29.3859, 4.1281



2.5108, 2.5922, 0.3680

Inverse Universe

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



65.3771, 67.5645, 92.8153



71.1032, 73.1703, 104.9835



66.0718, 64.9922, 92.2821



15.1902, 15.8145, 19.9735



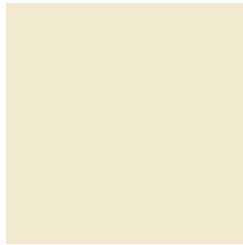
9.4357, 5.0956, 45.6141



0.8578, 0.5696, 3.8190

Previews

White Background



This preview shows how the XYZ color 76.5551, 81.4348, 70.0761 looks on a white background.

Color Contrast Check

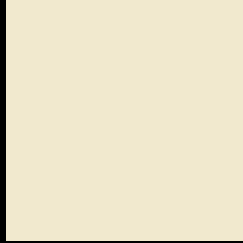
Large Text (above 18pt) WCAG AA × Fail

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 76.5551, 81.4348, 70.0761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

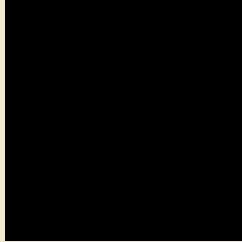
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.5551, 81.4348, 70.0761

Background



This preview shows how black text looks on a background with the XYZ color 76.5551, 81.4348, 70.0761.

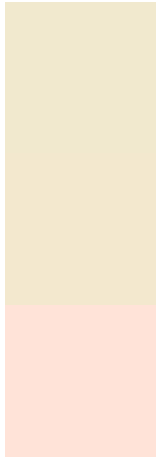


This preview shows how white text looks on a background with the XYZ color 76.5551, 81.4348,

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

76.5551, 81.4348, 70.0761

Protanopia

76.9593, 81.2241, 70.0142

Deuteranopia

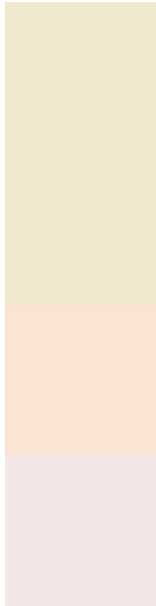
81.1038, 81.1560, 76.3558



Tritanopia

81.9566, 81.1236, 97.7250

Trichromacy



Original Color

76.5551, 81.4348, 70.0761

Protanomaly

76.6151, 81.0467, 69.9980

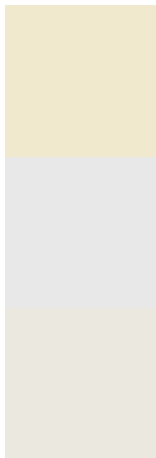
Deuteranomaly

79.3273, 81.1161, 73.7633

Tritanomaly

79.7513, 81.0412, 87.0405

Monochromacy



Original Color

76.5551, 81.4348, 70.0761

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.4368, 80.7031, 81.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5551, 81.4348, 70.0761 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(241, 233, 206)` looks like.

```
.text, #text, p{  
    color:rgb(241, 233, 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(241, 233, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 233, 206) }
```

Border

The CSS property to change the border of an element to XYZ 76.5551, 81.4348, 70.0761 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(241, 233, 206) }
```


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

```
.border{ border-color:rgb(241, 233, 206) }
```

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

Here you see how a box with a 4 pixel rgb(241, 233, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 233, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 233, 206);  
box-shadow:4px 4px 4px 4px rgb(241, 233,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5551, 81.4348, 70.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 233, 206) }
```

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

```
.background{ background-color: rgb(241,  
233, 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