

# Converting Colors

XYZ(77.9010, 82.8697, 74.2977)

Have a look what the booklet for  
XYZ(77.9010, 82.8697, 74.2977)  
contains.

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# Color

**XYZ(77.8676, 82.8709,  
74.1790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EBD4
RGB	241, 235, 212
RGB Percent	95%, 92%, 83%
CMY	0.0549, 0.0784, 0.1686
CMYK	0.00, 0.02, 0.12, 0.05
HSL	48°, 51%, 89%
HSV	48°, 12%, 95%
XYZ	77.8676, 82.8709, 74.1790
YIQ	234.1720, 10.9590, -5.8810

# Conversions

## Conversions Part 2

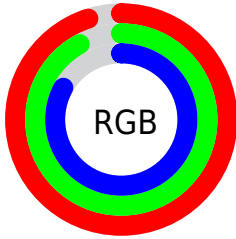
Format	Color
R <sub>Y</sub> B	220, 241, 212
Decimal	15854548
CIE Lab	92.96, -1.79, 11.88
CIE LCh	93, 12.010, 98.586
Yxy	82.8709, 0.3315, 0.3528
Android (android.graphics.Color)	4294044628 (0xFFF1EBD4)
YUV	234.1720, -10.9308, 5.9882
Hunter-Lab	91.0335, -6.6244, 15.4107

# Details

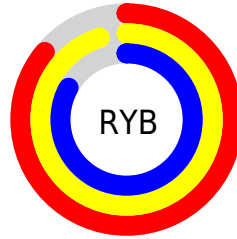
The XYZ color **77.8676, 82.8709, 74.1790** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.0998, 70.4894, 93.2363**, and the grayscale version is **78.4133, 82.4969, 89.8391**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2135, 44.9888, 38.3571** is the 20% darker color. If you saturate the color by 10%, you get **73.6459, 78.9344, 58.8757**, and if you desaturate by 10%, it is **82.5876, 87.0762, 91.8891**.

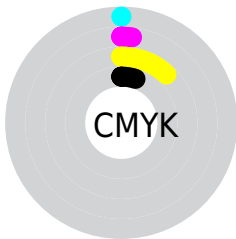
# Distribution



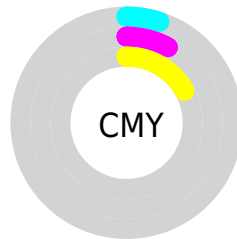
- Red (95%)
- Green (92%)
- Blue (83%)



- Red (86%)
- Yellow (95%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8676, 82.8709, 74.1790 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 77.8676, 82.8709, 74.1790 by changing the saturation by 10% instead.



77.8676, 82.8709,  
74.1790

77.8676, 82.8709,  
74.1790

476.5638,  
504.5562, 494.2708

58.2676, 62.0837,  
54.4429

129.3298,  
137.3946, 126.8859

42.2679, 45.1003,  
38.5603

161.9228,  
171.8999, 160.6938

29.5032, 31.5364,  
26.1126

199.5774,  
211.7466, 200.0293

19.6080, 21.0077,  
16.6814

242.6592,  
257.3193, 245.3110

12.2170, 13.1296,  
9.8480

291.5333,  
309.0021, 296.9575

6.9649, 7.5179,  
5.1940

346.5652,

3.4863, 3.7880,

367.1796, 355.3873

2.3008

408.1202,  
432.2362, 421.0189

■ 1.4158, 1.5557,  
0.7317

■ 0.2675, 0.3275,  
0.0000

■ 77.8676, 82.8709,  
74.1790

■ 77.8676, 82.8709,  
74.1790

■ 73.6459, 78.9344,  
58.8757

■ 82.5876, 87.0762,  
91.8891

■ 69.8953, 75.2470,  
45.8684

■ 86.9693, 91.2078,  
107.6288

■ 66.5964, 71.8032,  
35.0451

■ 88.4967, 94.2626,  
108.1380

■ 63.7253, 68.5929,  
26.2828

■ 90.0651, 97.3992,  
108.6607

■ 61.2560, 65.6051,  
19.4458

■ 90.0859, 97.4409,  
108.6677

■ 59.1595, 62.8277,  
14.3825

■ 57.4021, 60.2467,  
10.9179

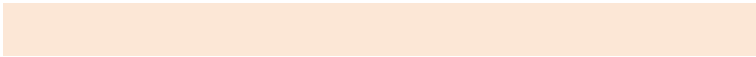
■ 55.9436, 57.8455,  
8.8419

■ 54.9458, 56.0407,  
7.9210

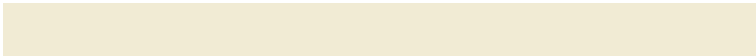
# Harmonies

## Analogous

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



80.9932, 82.8709, 75.0607



77.8676, 82.8709, 74.1790



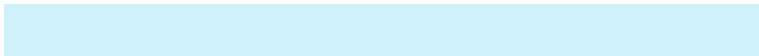
75.0573, 82.8709, 77.3693

# Triad

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



77.8676, 82.8709, 74.1790



74.1366, 82.8709, 101.4621



84.5270, 82.8709, 96.6996

# Complementary

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



77.8676, 82.8709, 74.1790



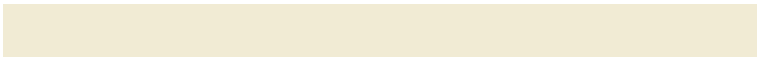
68.0998, 70.4894, 93.2363

# Split Complementary

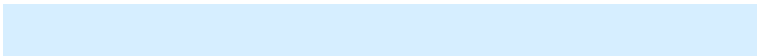
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5956, 82.8709, 104.4475



77.8676, 82.8709, 74.1790



76.5806, 82.8709, 107.3218

# Square

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



77.8676, 82.8709, 74.1790



72.9410, 82.8709, 92.8407



79.6719, 82.8709, 108.4492

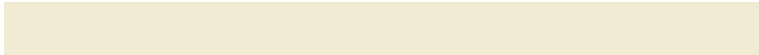


84.8938, 82.8709, 87.6732



# Rectangle

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



77.8676, 82.8709, 74.1790



73.7209, 82.8709, 81.5092



79.6719, 82.8709, 108.4492



84.0368, 82.8709, 99.5566

# Sweetspot

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



77.8698, 82.8745, 74.1808



92.7819, 98.0224, 100.2563



72.5121, 70.8657, 76.3820



19.7701, 20.9024, 21.1219



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

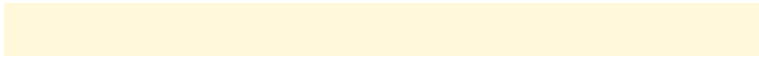


# Same Dimension

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



77.8698, 82.8745, 74.1808



87.5164, 93.2915, 80.6196



76.8734, 84.9520, 74.6343



16.8293, 17.8717, 16.7123



29.8957, 30.5894, 4.3287



2.5560, 2.6827, 0.3831



# Inverse Universe

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



68.0998, 70.4894, 93.2363



74.7355, 77.0900, 105.5486



69.0026, 68.6885, 92.8411



15.1620, 15.7581, 19.9641



9.3015, 4.8273, 45.5694

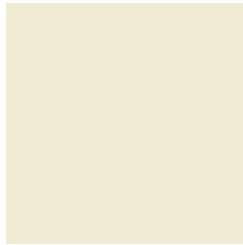


0.8429, 0.5398, 3.8140



# Previews

## White Background



This preview shows how the XYZ color 77.8676, 82.8709, 74.1790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

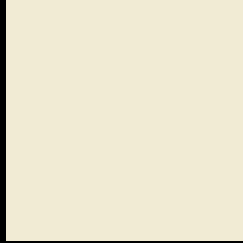
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.8676, 82.8709, 74.1790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

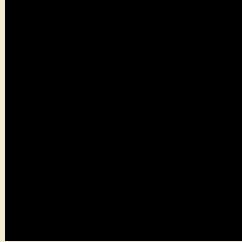
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

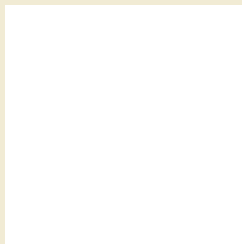
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.8676, 82.8709, 74.1790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.8676, 82.8709, 74.1790.



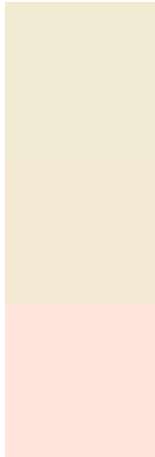
This preview shows how white text looks on a background with the XYZ color 77.8676, 82.8709,



# 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

77.8676, 82.8709, 74.1790

### Protanopia

78.4889, 82.7819, 73.4697

### Deuteranopia

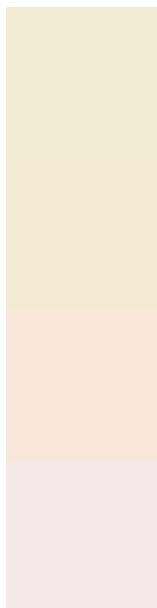
82.3105, 82.5191, 79.9962



## Tritanopia

83.2461, 82.9638, 100.4330

# Trichromacy



## Original Color

77.8676, 82.8709, 74.1790

## Protanomaly

78.1428, 82.6035, 73.4535

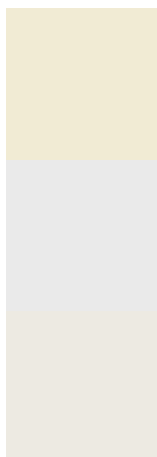
## Deuteranomaly

80.6551, 82.5378, 78.0101

## Tritanomaly

81.1602, 82.9445, 90.3295

# Monochromacy



## Original Color

77.8676, 82.8709, 74.1790

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.0753, 82.3411, 83.7299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.8676, 82.8709, 74.1790 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, 235, 212) looks like.

```
.text, #text, p{  
    color:rgb(241, 235, 212)  
}
```

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, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 235, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 77.8676, 82.8709, 74.1790 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, 235, 212) }
```



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

```
.border{ border-color:rgb(241, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(241, 235,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.8676, 82.8709, 74.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 235, 212) }
```

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

```
.background{ background-color: rgb(241,  
235, 212) }
```

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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