

# Converting Colors

XYZ(77.2015, 83.1782, 75.2267)

Have a look what the booklet for  
XYZ(77.2015, 83.1782, 75.2267)  
contains.

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# Color

**XYZ(77.2195, 83.3770,  
74.9743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEDD5
RGB	237, 237, 213
RGB Percent	93%, 93%, 84%
CMY	0.0706, 0.0706, 0.1647
CMYK	0.00, 0.00, 0.10, 0.07
HSL	60°, 40%, 88%
HSV	60°, 10%, 93%
XYZ	77.2195, 83.3770, 74.9743
YIQ	234.2640, 7.7040, -7.4640

# Conversions

## Conversions Part 2

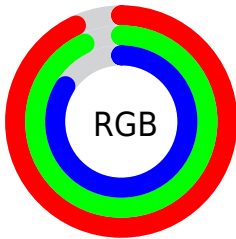
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 237, 213
Decimal	15592917
CIE Lab	93.18, -4.05, 11.63
CIE LCh	93, 12.315, 109.194
Yxy	83.3770, 0.3278, 0.3539
Android (android.graphics.Color)	4293782997 (0xFFEDED5)
YUV	234.2640, -10.4832, 2.3995
Hunter-Lab	91.3110, -8.8411, 15.2354

# Details

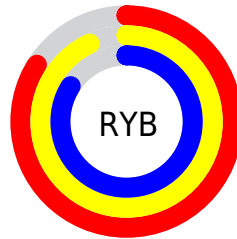
The XYZ color **77.2195, 83.3770, 74.9743** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **66.5241, 67.8513, 89.7156**, and the grayscale version is **78.4815, 82.5687, 89.9173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7515, 45.3401, 38.8987** is the 20% darker color. If you saturate the color by 10%, you get **74.4278, 82.2629, 60.2713**, and if you desaturate by 10%, it is **80.4555, 84.6743, 91.9964**.

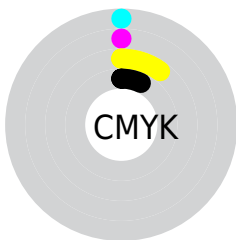
# Distribution



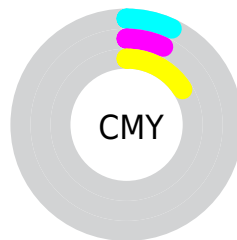
- Red (93%)
- Green (93%)
- Blue (84%)



- Red (84%)
- Yellow (93%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2195, 83.3770, 74.9743 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 77.2195, 83.3770, 74.9743 by changing the saturation by 10% instead.



77.2195, 83.3770,  
74.9743

77.2195, 83.3770,  
74.9743

474.3926,  
506.2421, 497.0823

57.7336, 62.5012,  
55.0902

128.4205,  
138.1034, 128.0227

41.8369, 45.4378,  
39.0749

160.8663,  
172.7227, 162.0242

29.1642, 31.8024,  
26.5097

198.3627,  
212.6920, 201.5685

19.3500, 21.2106,  
16.9762

241.2752,  
258.3957, 247.0743

12.0289, 13.2780,  
10.0557

289.9691,  
310.2182, 298.9600

6.8357, 7.6203,  
5.3298

344.8097,

3.4050, 3.8530,

368.5438, 357.6442

2.3800

406.1624,  
433.7570, 423.5455

■ 1.3714, 1.5917,  
0.7755

■ 0.2357, 0.3520,  
0.0000

■ 77.2195, 83.3770,  
74.9743

■ 77.2195, 83.3770,  
74.9743

■ 74.4278, 82.2629,  
60.2713

■ 80.4555, 84.6743,  
91.9964

■ 72.0545, 81.3134,  
47.7820

■ 83.2644, 85.7981,  
106.7799

■ 70.0816, 80.5240,  
37.4009

■ 83.2660, 85.7989,  
106.7800

■ 68.4869, 79.8860,  
29.0117

■ 83.2675, 85.7997,  
106.7801

67.2463, 79.3896,  
22.4869

83.2691, 85.8005,  
106.7801

66.3328, 79.0240,  
17.6844

83.2707, 85.8013,  
106.7802

65.7154, 78.7768,  
14.4416

83.2722, 85.8021,  
106.7803

65.3575, 78.6335,  
12.5647

83.2738, 85.8029,  
106.7804

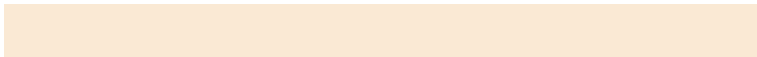
65.1973, 78.5692,  
11.7291

83.2753, 85.8037,  
106.7804

# Harmonies

## Analogous

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



80.4195, 83.3770, 74.3822



77.2195, 83.3770, 74.9743



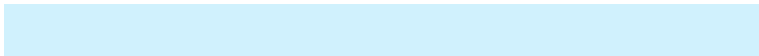
74.6308, 83.3770, 79.6301

# Triad

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



77.2195, 83.3770, 74.9743



75.2507, 83.3770, 104.9490



85.5169, 83.3770, 94.1652

# Complementary

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



77.2195, 83.3770, 74.9743



66.5241, 67.8513, 89.7156

# Split Complementary

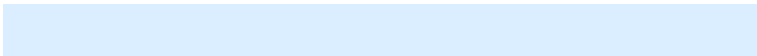
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0504, 83.3770, 102.9323



77.2195, 83.3770, 74.9743



78.0866, 83.3770, 109.4340

# Square

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



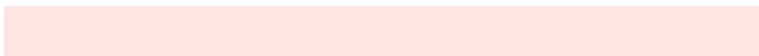
77.2195, 83.3770, 74.9743



73.5157, 83.3770, 96.7681



81.3104, 83.3770, 108.6718



85.2694, 83.3770, 85.0506



# Rectangle

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



77.2195, 83.3770, 74.9743



73.5727, 83.3770, 84.6003



81.3104, 83.3770, 108.6718



85.2065, 83.3770, 97.2607

# Sweetspot

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



77.2218, 83.3806, 74.9761



93.8420, 99.5167, 102.5418



70.7322, 70.3992, 72.8125



20.0187, 21.2737, 21.5937



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.



77.2218, 83.3806, 74.9761



90.5067, 98.1824, 84.9867



73.3489, 81.3841, 74.7948



16.3517, 17.6268, 16.0592



35.5934, 42.8936, 6.4033



2.7950, 3.3682, 0.5028



# Inverse Universe

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



66.5241, 67.8513, 89.7156



75.6798, 76.6588, 105.4156



70.1342, 69.7124, 89.8846



14.2315, 14.5491, 18.9804



8.3461, 3.3385, 43.9475

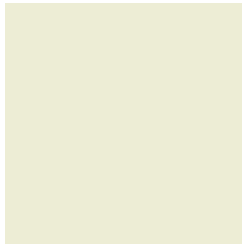


0.6555, 0.2622, 3.4509



# Previews

## White Background



This preview shows how the XYZ color 77.2195, 83.3770, 74.9743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

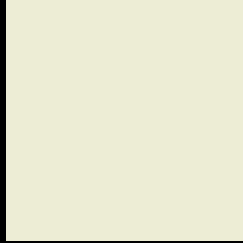
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2195, 83.3770, 74.9743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

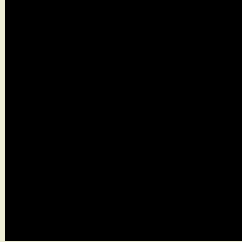
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

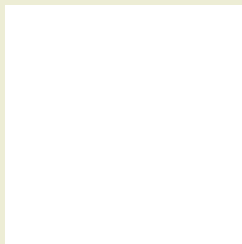
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2195, 83.3770, 74.9743**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2195, 83.3770, 74.9743.



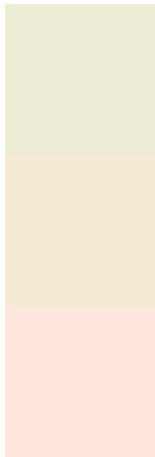
This preview shows how white text looks on a background with the XYZ color 77.2195, 83.3770,



# 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

77.2195, 83.3770, 74.9743

### Protanopia

79.2482, 83.5826, 74.2436

### Deuteranopia

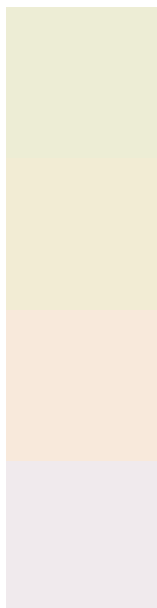
82.8561, 83.1813, 81.5007



## Tritanopia

82.7299, 83.4926, 102.1978

# Trichromacy



## Original Color

77.2195, 83.3770, 74.9743

## Protanomaly

78.4971, 83.6216, 74.2907

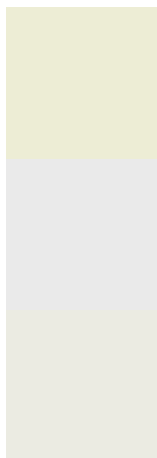
## Deuteranomaly

80.6365, 83.3488, 78.8558

## Tritanomaly

80.6441, 83.4853, 91.9846

# Monochromacy



## Original Color

77.2195, 83.3770, 74.9743

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.6967, 82.5698, 83.7940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2195, 83.3770, 74.9743 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(237, 237, 213) looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 213)  
}
```

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(237, 237, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2195, 83.3770, 74.9743 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(237, 237, 213) }
```



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

```
.border{ border-color:rgb(237, 237, 213) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 213);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2195, 83.3770, 74.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 213) }
```

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

```
.background{ background-color: rgb(237,  
237, 213) }
```

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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