

Converting Colors

XYZ(76.8539, 83.7340, 69.8693)

Have a look what the booklet for
XYZ(76.8539, 83.7340, 69.8693)
contains.

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Color

**XYZ(76.8539, 83.7340,
69.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEECD
RGB	238, 238, 205
RGB Percent	93%, 93%, 80%
CMY	0.0667, 0.0666, 0.1961
CMYK	0.00, 0.00, 0.14, 0.07
HSL	60°, 49%, 87%
HSV	60°, 14%, 93%
XYZ	76.8539, 83.7340, 69.8693
YIQ	234.2380, 10.5930, -10.2630

Conversions

Conversions Part 2

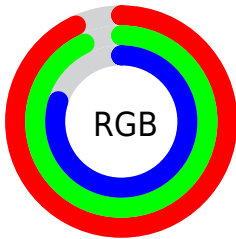
Format	Color
R _Y B	205, 238, 205
Decimal	15658701
CIE Lab	93.33, -5.46, 16.00
CIE LCh	93, 16.907, 108.830
Yxy	83.7340, 0.3335, 0.3633
Android (android.graphics.Color)	4293848781 (0xFFEEEECD)
YUV	234.2380, -14.4143, 3.2993
Hunter-Lab	91.5063, -10.2182, 18.7837

Details

The XYZ color **76.8539, 83.7340, 69.8693** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.4440, 62.8171, 89.7272**, and the grayscale version is **78.4891, 82.5766, 89.9260**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6053, 45.6353, 35.8938** is the 20% darker color. If you saturate the color by 10%, you get **74.1964, 82.6737, 55.8715**, and if you desaturate by 10%, it is **79.9530, 84.9766, 86.1724**.

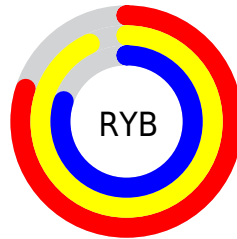
Distribution



Red (93%)

Green (93%)

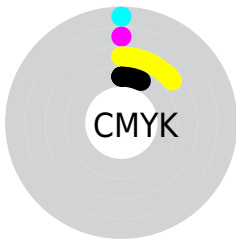
Blue (80%)



Red (80%)

Yellow (93%)

Blue (80%)

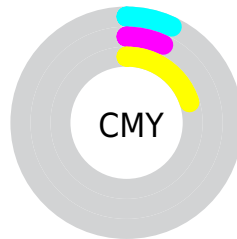


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8539, 83.7340, 69.8693 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 76.8539, 83.7340, 69.8693 by changing the saturation by 10% instead.

76.8539, 83.7340,
69.8693

76.8539, 83.7340,
69.8693

473.1653,
507.4295, 478.8677

57.4325, 62.7958,
50.9438

127.9072,
138.6030, 120.7017

41.5941, 45.6761,
35.7875

160.2697,
173.3027, 153.4458

28.9733, 31.9903,
23.9817

197.6767,
213.3583, 191.6331

19.2048, 21.3541,
15.1080

240.4934,
259.1543, 235.6822

11.9232, 13.3831,
8.7477

289.0853,
311.0750, 286.0117

6.7632, 7.6929,
4.4825

343.8177,

3.3595, 3.8990,

369.5048, 343.0401

1.8936

405.0559,
434.8282, 407.1859

■ 1.3466, 1.6173,
0.4886

■ 0.2177, 0.3692,
0.0000

■ 76.8539, 83.7340,
69.8693

■ 76.8539, 83.7340,
69.8693

■ 74.1964, 82.6737,
55.8715

■ 79.9530, 84.9766,
86.1724

■ 71.9541, 81.7766,
44.0701


■ 83.5053, 86.3976,
104.8726


■ 70.1081, 81.0380,
34.3551


■ 83.8901, 86.5517,
106.8924

■ 68.6352, 80.4488,
26.6054


■ 83.8913, 86.5523,
106.8925

 67.5101, 79.9986,
20.6870


 83.8925, 86.5529,
106.8925


 66.7042, 79.6761,
16.4494


 83.8937, 86.5535,
106.8926


 66.1843, 79.4680,
13.7181

 83.8949, 86.5542,
106.8926

 65.9102, 79.3582,
12.2809

 83.8961, 86.5548,
106.8927

 65.8261, 79.3245,
11.8417

 83.8973, 86.5554,
106.8927

Harmonies

Analogous

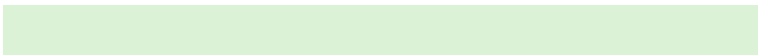
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2575, 83.7340, 69.1613



76.8539, 83.7340, 69.8693



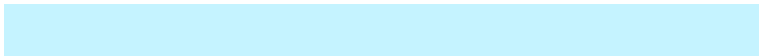
73.3114, 83.7340, 75.9583

Triad

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



76.8539, 83.7340, 69.8693



74.0802, 83.7340, 110.9128



88.2891, 83.7340, 96.0071

Complementary

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



76.8539, 83.7340, 69.8693



62.4440, 62.8171, 89.7272

Split Complementary

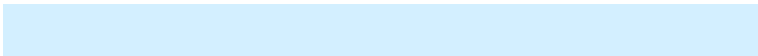
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2101, 83.7340, 108.2927



76.8539, 83.7340, 69.8693



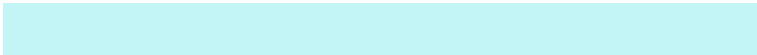
77.9389, 83.7340, 117.4179

Square

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



76.8539, 83.7340, 69.8693



71.7518, 83.7340, 99.3212



82.3834, 83.7340, 116.4167



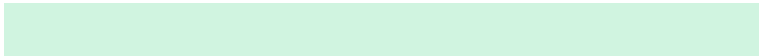
87.9721, 83.7340, 83.4813

Rectangle

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



76.8539, 83.7340, 69.8693



71.8635, 83.7340, 82.5971



82.3834, 83.7340, 116.4167



87.8443, 83.7340, 100.3210

Sweetspot

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



76.8561, 83.7377, 69.8711



93.4503, 99.3601, 100.4793



68.1134, 66.2496, 66.9564



19.9399, 21.2422, 21.1786



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

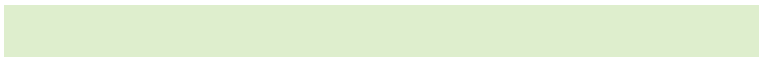
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8561, 83.7377, 69.8711



88.8371, 97.5146, 76.1961



71.5684, 81.0118, 69.6236



17.1227, 18.4589, 16.8102



36.7224, 44.2526, 6.6061



3.0550, 3.6814, 0.5496

Inverse Universe

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



62.4440, 62.8171, 89.7272



68.5585, 68.0782, 104.1347



67.2378, 65.2884, 89.9516



14.8976, 15.2289, 19.8759



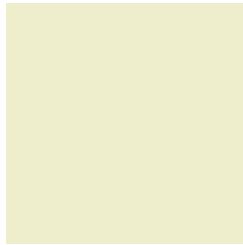
8.6102, 3.4441, 45.3388



0.7164, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 76.8539, 83.7340, 69.8693 looks on a white background.

Color Contrast Check

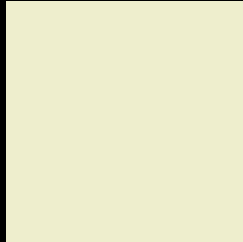
Large Text (above 18pt) WCAG AA × Fail

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 76.8539, 83.7340, 69.8693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

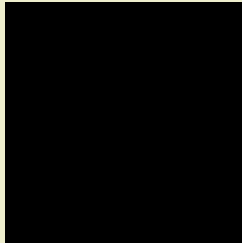
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

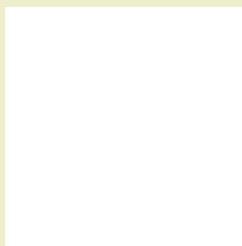
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8539, 83.7340, 69.8693

Background



This preview shows how black text looks on a background with the XYZ color 76.8539, 83.7340, 69.8693.

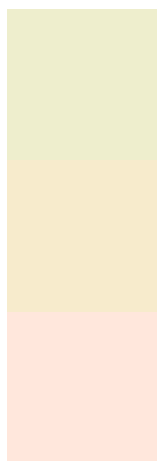


This preview shows how white text looks on a background with the XYZ color 76.8539, 83.7340,

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

76.8539, 83.7340, 69.8693

Protanopia

78.9652, 83.5505, 69.0917

Deuteranopia

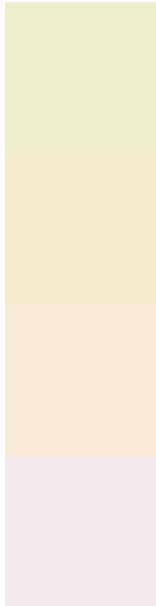
82.7342, 83.5791, 79.4820



Tritanopia

83.4202, 83.8484, 102.2301

Trichromacy



Original Color

76.8539, 83.7340, 69.8693

Protanomaly

78.2028, 83.5836, 69.1383

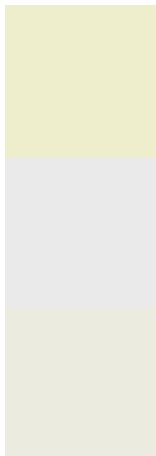
Deuteranomaly

80.7555, 83.8917, 76.2264

Tritanomaly

80.8921, 83.6634, 89.7271

Monochromacy



Original Color

76.8539, 83.7340, 69.8693

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.2886, 82.4065, 81.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8539, 83.7340, 69.8693 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(238, 238, 205)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 205)  
}
```

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(238, 238, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 205) }
```

Border

The CSS property to change the border of an element to XYZ 76.8539, 83.7340, 69.8693 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(238, 238, 205) }
```


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

```
.border{ border-color:rgb(238, 238, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 205);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8539, 83.7340, 69.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 205) }
```

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

```
.background{ background-color: rgb(238,  
238, 205) }
```

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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