

Converting Colors

XYZ(77.7597, 83.7627, 73.6984)

Have a look what the booklet for
XYZ(77.7597, 83.7627, 73.6984)
contains.

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Color

**XYZ(77.6387, 83.6222,
73.6767)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEDD3
RGB	239, 237, 211
RGB Percent	94%, 93%, 83%
CMY	0.0627, 0.0706, 0.1725
CMYK	0.00, 0.01, 0.12, 0.06
HSL	56°, 47%, 88%
HSV	56°, 12%, 94%
XYZ	77.6387, 83.6222, 73.6767
YIQ	234.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

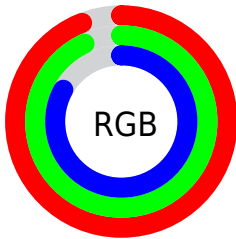
Format	Color
R _Y B	213, 239, 211
Decimal	15723987
CIE Lab	93.29, -3.67, 12.84
CIE LCh	93, 13.353, 105.939
Yxy	83.6222, 0.3305, 0.3559
Android (android.graphics.Color)	4293914067 (0xFFEFEDD3)
YUV	234.6340, -11.6516, 3.8290
Hunter-Lab	91.4452, -8.4791, 16.2421

Details

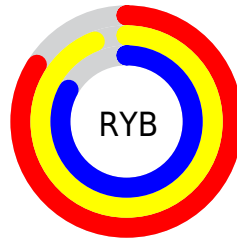
The XYZ color **77.6387, 83.6222, 73.6767** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2382, 67.6684, 91.2325**, and the grayscale version is **78.7700, 82.8721, 90.2477**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0531, 45.5153, 38.0214** is the 20% darker color. If you saturate the color by 10%, you get **74.3725, 81.5331, 58.8884**, and if you desaturate by 10%, it is **81.3596, 85.9062, 90.8164**.

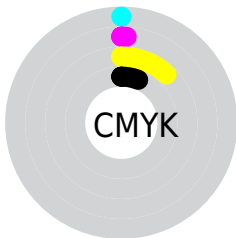
Distribution



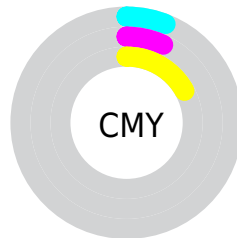
- Red (94%)
- Green (93%)
- Blue (83%)



- Red (84%)
- Yellow (94%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6387, 83.6222, 73.6767 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 77.6387, 83.6222, 73.6767 by changing the saturation by 10% instead.

■ 77.6387, 83.6222,
73.6767

■ 77.6387, 83.6222,
73.6767

475.7975,
507.0578, 492.4903

■ 58.0790, 62.7036,
54.0343

129.0087,
138.4466, 126.1672

■ 42.1157, 45.6014,
38.2357

161.5498,
173.1211, 159.8524

■ 29.3834, 31.9314,
25.8624

199.1486,
213.1497, 199.0556

■ 19.5168, 21.3091,
16.4959

242.1706,
258.9168, 244.1953

■ 12.1505, 13.3501,
9.7176

290.9812,
310.8067, 295.6901

■ 6.9192, 7.6701,
5.1090

345.9456,

■ 3.4575, 3.8846,

369.2040, 353.9585

2.2515

407.4293,
434.4929, 419.4191

■ 1.4001, 1.6092,
0.7039

■ 0.2563, 0.3638,
0.0000

■ 77.6387, 83.6222,
73.6767

■ 77.6387, 83.6222,
73.6767

■ 74.3725, 81.5331,
58.8884

■ 81.3596, 85.9062,
90.8164

■ 71.5348, 79.6201,
46.3430

■ 84.9287, 88.1342,
107.1431

■ 69.1066, 77.8784,
35.9315

■ 85.4336, 89.1441,
107.3114

■ 67.0651, 76.2988,
27.5334

■ 85.9433, 90.1635,
107.4813

65.3852, 74.8712,
21.0167

86.4577, 91.1923,
107.6528

64.0388, 73.5845,
16.2332

86.9769, 92.2306,
107.8259

62.9935, 72.4255,
13.0129

87.5008, 93.2785,
108.0005

62.2106, 71.3789,
11.1512

88.0295, 94.3358,
108.1767

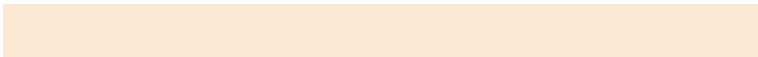
61.7098, 70.5764,
10.3702

88.5630, 95.4028,
108.3546

Harmonies

Analogous

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



81.1339, 83.6222, 73.5342



77.6387, 83.6222, 73.6767



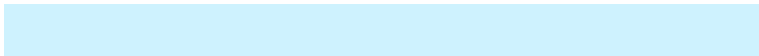
74.7216, 83.6222, 78.2413

Triad

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



77.6387, 83.6222, 73.6767



74.8720, 83.6222, 105.6809



86.2188, 83.6222, 95.8348

Complementary

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



77.6387, 83.6222, 73.6767



66.2382, 67.6684, 91.2325

Split Complementary

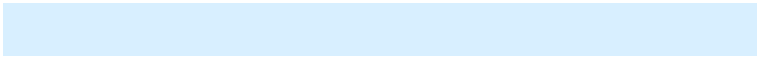
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4370, 83.6222, 105.1863



77.6387, 83.6222, 73.6767



77.8495, 83.6222, 111.1481

Square

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



77.6387, 83.6222, 73.6767



73.1567, 83.6222, 96.4702



81.3510, 83.6222, 110.9607



86.1583, 83.6222, 85.8374

Rectangle

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



77.6387, 83.6222, 73.6767



73.4670, 83.6222, 83.3840



81.3510, 83.6222, 110.9607



85.8133, 83.6222, 99.1728

Sweetspot

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



77.6410, 83.6259, 73.6785



93.2194, 98.8974, 100.4021



70.9446, 69.7615, 72.9002



19.8812, 21.1246, 21.1590



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.



77.6410, 83.6259, 73.6785



89.0194, 96.2977, 81.1206



74.4092, 82.8223, 73.6937



17.0209, 18.2549, 16.7762



34.1429, 39.0840, 5.7444



2.8690, 3.3087, 0.4874

Inverse Universe

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



66.2382, 67.6684, 91.2325



73.4337, 74.4865, 105.1147



69.2042, 68.4568, 91.2283



14.9877, 15.4096, 19.9060



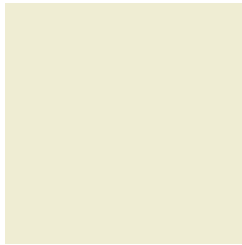
8.7549, 3.7340, 45.3872



0.7597, 0.3733, 3.7862

Previews

White Background



This preview shows how the XYZ color 77.6387, 83.6222, 73.6767 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 77.6387, 83.6222, 73.6767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

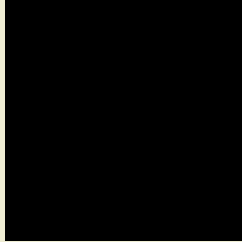
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

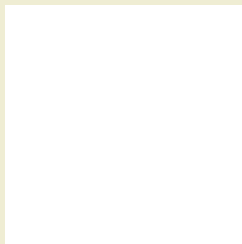
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6387, 83.6222, 73.6767

Background



This preview shows how black text looks on a background with the XYZ color 77.6387, 83.6222, 73.6767.

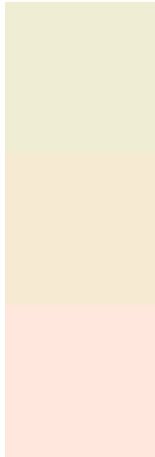


This preview shows how white text looks on a background with the XYZ color 77.6387, 83.6222, 73.6767.

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

77.6387, 83.6222, 73.6767

Protanopia

79.3472, 83.6626, 72.9392

Deuteranopia

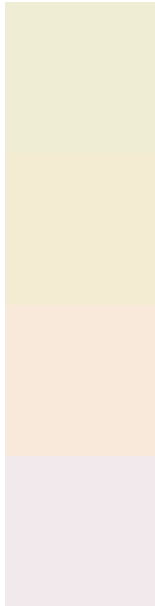
83.0007, 83.6858, 80.8856



Tritanopia

83.1395, 83.2871, 102.1366

Trichromacy



Original Color

77.6387, 83.6222, 73.6767

Protanomaly

78.5905, 83.6987, 72.9861

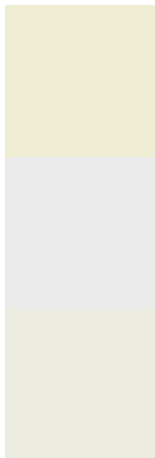
Deuteranomaly

80.8607, 83.4795, 78.1810

Tritanomaly

80.8972, 83.2112, 91.1545

Monochromacy



Original Color

77.6387, 83.6222, 73.6767

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3150, 83.3148, 83.9052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6387, 83.6222, 73.6767 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(239, 237, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 237, 211) }
```

Border

The CSS property to change the border of an element to XYZ 77.6387, 83.6222, 73.6767 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, 211) }
```


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

```
.border{ border-color:rgb(239, 237, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(239, 237,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6387, 83.6222, 73.6767 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, 211) }
```

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

```
.background{ background-color: rgb(239,  
237, 211) }
```

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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