

Converting Colors

XYZ(78.1297, 83.6889, 79.2587)

Have a look what the booklet for
XYZ(78.1297, 83.6889, 79.2587)
contains.

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Color

**XYZ(77.9954, 83.6874,
79.0603)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEDDB
RGB	237, 237, 219
RGB Percent	93%, 93%, 86%
CMY	0.0706, 0.0706, 0.1412
CMYK	0.00, 0.00, 0.08, 0.07
HSL	60°, 33%, 89%
HSV	60°, 8%, 93%
XYZ	77.9954, 83.6874, 79.0603
YIQ	234.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

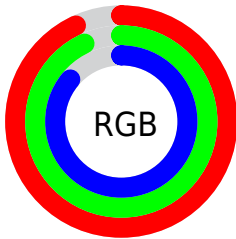
Format	Color
R _Y B	219, 237, 219
Decimal	15592923
CIE Lab	93.31, -3.07, 8.71
CIE LCh	93, 9.239, 109.438
Yxy	83.6874, 0.3240, 0.3476
Android (android.graphics.Color)	4293783003 (0xFFEDEDDB)
YUV	234.9480, -7.8624, 1.7996
Hunter-Lab	91.4808, -7.9046, 12.7965

Details

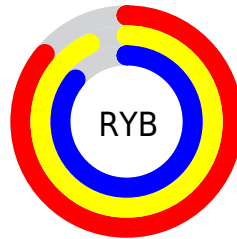
The XYZ color **77.9954, 83.6874, 79.0603** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.8343, 71.8398, 90.3111**, and the grayscale version is **78.9829, 83.0962, 90.4917**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2808, 45.5518, 41.6859** is the 20% darker color. If you saturate the color by 10%, you get **75.0936, 82.5292, 63.7803**, and if you desaturate by 10%, it is **81.3461, 85.0307, 96.6837**.

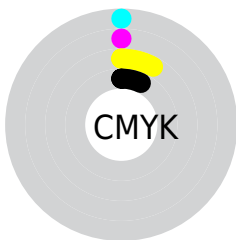
Distribution



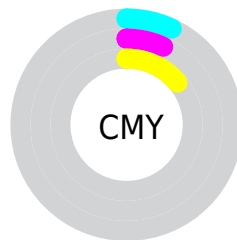
- Red (93%)
- Green (93%)
- Blue (86%)



- Red (86%)
- Yellow (93%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9954, 83.6874, 79.0603 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 77.9954, 83.6874, 79.0603 by changing the saturation by 10% instead.

77.9954, 83.6874,
79.0603

77.9954, 83.6874,
79.0603

476.9913,
507.2746, 511.3833

58.3730, 62.7574,
58.4238

129.5090,
138.5378, 133.8432

42.3530, 45.6450,
41.7325

162.1310,
173.2270, 168.8266

29.5701, 31.9657,
28.5679

199.8167,
213.2713, 209.4295

19.6590, 21.3353,
18.5114

242.9318,
259.0553, 256.0702

12.2542, 13.3693,
11.1445

291.8414,
310.9632, 309.1674

6.9905, 7.6834,
6.0487

346.9109,

3.5024, 3.8930,

369.3794, 369.1397

2.8055

408.5058,
434.6884, 436.4055

■ 1.4247, 1.6139,
0.9962

■ 0.2737, 0.3669,
0.0000

■ 77.9954, 83.6874,
79.0603

■ 77.9954, 83.6874,
79.0603

■ 75.0936, 82.5292,
63.7803

■ 81.3461, 85.0307,
96.6837

■ 72.6151, 81.5375,
50.7400


■ 83.2655, 85.7987,
106.7800


■ 70.5423, 80.7081,
39.8357


■ 83.2677, 85.7998,
106.7801

■ 68.8535, 80.0324,
30.9538


■ 83.2698, 85.8009,
106.7802


 67.5251, 79.5008,
23.9698


 83.2719, 85.8020,
106.7803

 66.5309, 79.1029,
18.7457


 83.2741, 85.8031,
106.7804


 65.8412, 78.8267,
15.1248

 83.2762, 85.8042,
106.7805

 65.4209, 78.6584,
12.9228

 83.2783, 85.8053,
106.7806

 65.2233, 78.5791,
11.8932

 83.2805, 85.8064,
106.7807

Harmonies

Analogous

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



80.4030, 83.6874, 78.5730



77.9954, 83.6874, 79.0603



76.0405, 83.6874, 82.6826

Triad

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



77.9954, 83.6874, 79.0603



76.5385, 83.6874, 101.6852



84.2312, 83.6874, 93.5996

Complementary

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



77.9954, 83.6874, 79.0603



69.8343, 71.8398, 90.3111

Split Complementary

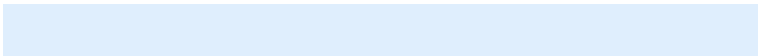
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1502, 83.6874, 100.1156



77.9954, 83.6874, 79.0603



78.6878, 83.6874, 104.9393

Square

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



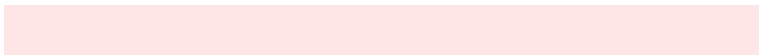
77.9954, 83.6874, 79.0603



75.2113, 83.6874, 95.6539



81.1096, 83.6874, 104.3506



84.0366, 83.6874, 86.7343

Rectangle

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



77.9954, 83.6874, 79.0603



75.2415, 83.6874, 86.4957



81.1096, 83.6874, 104.3506



84.0041, 83.6874, 95.9091

Sweetspot

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



77.9977, 83.6910, 79.0621



94.2391, 99.6756, 104.6327



73.0454, 73.7840, 77.4109



20.1795, 21.3381, 22.4404



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.



77.9977, 83.6910, 79.0621



91.5703, 98.6079, 90.5881



75.0684, 82.1809, 78.9250



16.3516, 17.6268, 16.0592



35.5904, 42.8920, 6.4032



2.7948, 3.3681, 0.5028

Inverse Universe

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



69.8343, 71.8398, 90.3111



80.2176, 82.1266, 106.2318



72.6150, 73.2733, 90.4412



14.2316, 14.5492, 18.9804



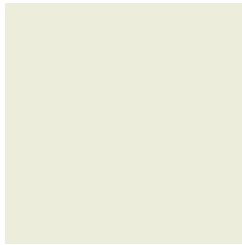
8.3462, 3.3386, 43.9475



0.6555, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 77.9954, 83.6874, 79.0603 looks on a white background.

Color Contrast Check

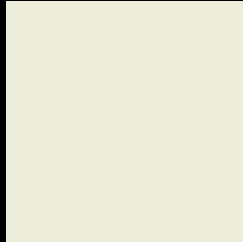
Large Text (above 18pt) WCAG AA × Fail

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 77.9954, 83.6874, 79.0603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

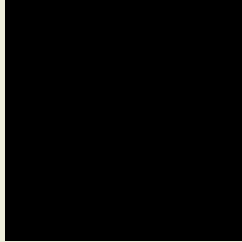
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

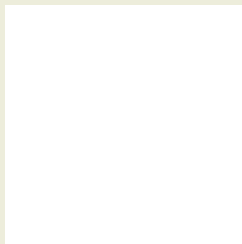
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9954, 83.6874, 79.0603

Background



This preview shows how black text looks on a background with the XYZ color 77.9954, 83.6874, 79.0603.



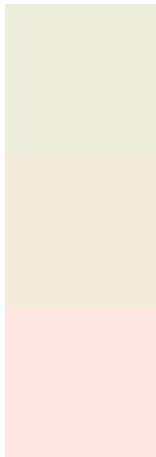
This preview shows how white text looks on a background with the XYZ color 77.9954, 83.6874,

79.0603.

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

77.9954, 83.6874, 79.0603

Protanopia

79.6714, 83.7117, 78.2885

Deuteranopia

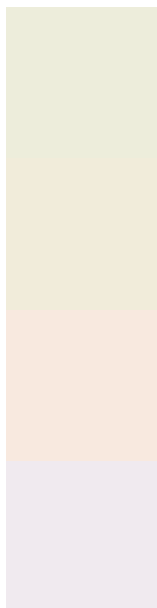
83.2643, 83.3446, 83.6501



Tritanopia

82.8871, 83.5555, 103.0260

Trichromacy



Original Color

77.9954, 83.6874, 79.0603

Protanomaly

78.9260, 83.7536, 78.3359

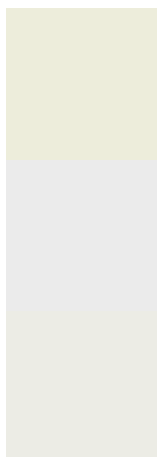
Deuteranomaly

81.1696, 83.5620, 81.6630

Tritanomaly

80.9380, 83.6029, 93.5324

Monochromacy



Original Color

77.9954, 83.6874, 79.0603

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.7304, 83.4809, 86.0926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9954, 83.6874, 79.0603 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 219) }
```

Border

The CSS property to change the border of an element to XYZ 77.9954, 83.6874, 79.0603 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, 219) }
```


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

```
.border{ border-color:rgb(237, 237, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 237, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 237, 219); box-shadow:4px 4px 4px 4px rgb(237, 237, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9954, 83.6874, 79.0603 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, 219) }
```

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

```
.background{ background-color: rgb(237,  
237, 219) }
```

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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