

Converting Colors

XYZ(81.5300, 84.7051, 77.9543)

Have a look what the booklet for
XYZ(81.5300, 84.7051, 77.9543)
contains.

XYZ(81.2996, 84.5662, 77.6836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.2996, 84.5662,
77.6836)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EBD9
RGB	249, 235, 217
RGB Percent	98%, 92%, 85%
CMY	0.0235, 0.0784, 0.1490
CMYK	0.00, 0.06, 0.13, 0.02
HSL	34°, 73%, 91%
HSV	34°, 13%, 98%
XYZ	81.2996, 84.5662, 77.6836
YIQ	237.1340, 14.1220, -2.6300

Conversions

Conversions Part 2

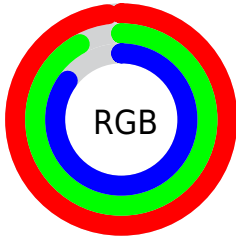
Format	Color
RYB	242, 249, 217
Decimal	16378841
CIELab	93.70, 1.80, 10.42
CIElCh	94, 10.574, 80.193
Yxy	84.5662, 0.3338, 0.3472
Android (android.graphics.Color)	4294568921 (0xFFF9EBD9)
YUV	237.1340, -9.9261, 10.4065
Hunter-Lab	91.9599, -3.1221, 14.2864

Details

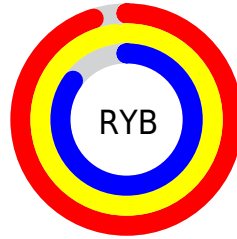
The XYZ color **81.2996, 84.5662, 77.6836** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2897, 78.7413, 100.9062**, and the grayscale version is **80.6679, 84.8689, 92.4222**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3799, 46.0553, 40.7329** is the 20% darker color. If you saturate the color by 10%, you get **75.2798, 77.3240, 60.8856**, and if you desaturate by 10%, it is **88.0036, 92.3931, 97.1225**.

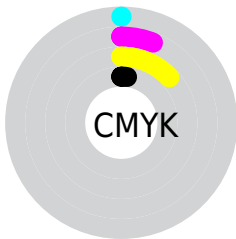
Distribution



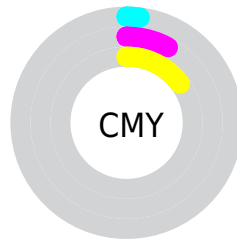
- Red (98%)
- Green (92%)
- Blue (85%)



- Red (95%)
- Yellow (98%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2996, 84.5662, 77.6836 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 81.2996, 84.5662, 77.6836 by changing the saturation by 10% instead.

81.2996, 84.5662,
77.6836

81.2996, 84.5662,
77.6836

487.9719,
510.1915, 506.5911

61.1005, 63.4830,
57.2992

134.1323,
139.7669, 131.8858

44.5591, 46.2321,
40.8345

167.4967,
174.6533, 166.5407

31.3101, 32.4290,
27.8711

205.9801,
214.9094, 206.7895

20.9881, 21.6894,
17.9903

249.9481,
260.9198, 253.0507

13.2277, 13.6288,
10.7737

299.7659,
313.0688, 305.7430

7.6636, 7.8630,
5.8026

355.7989,

3.9305, 4.0074,

371.7409, 365.2848

2.6586

418.4125,
437.3203, 432.0946

■ 1.6629, 1.6777,
0.9225

■ 0.4329, 0.4092,
0.0000

■ 81.2996, 84.5662,
77.6836

■ 81.2996, 84.5662,
77.6836

■ 75.2798, 77.3240,
60.8856

■ 88.0036, 92.3931,
97.1225

■ 69.9122, 70.6399,
46.6071

■ 92.8772, 98.8799,
108.7983

■ 65.1719, 64.5011,
34.7251

■ 61.0301, 58.8905,
25.1040

■ 57.4549, 53.7892,
17.5947

■ 54.4108, 49.1771,
12.0296

■ 51.8576, 45.0318,
8.2157

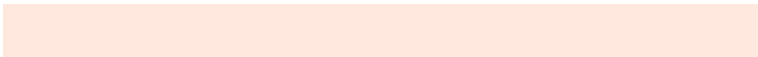
■ 49.7470, 41.3274,
5.9188

■ 48.4602, 38.9259,
4.9593

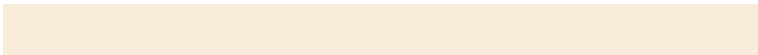
Harmonies

Analogous

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



83.8795, 84.5662, 80.7169



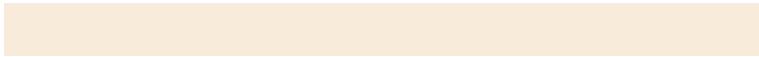
81.2996, 84.5662, 77.6836



78.5306, 84.5662, 78.3314

Triad

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



81.2996, 84.5662, 77.6836



75.4222, 84.5662, 97.5125



84.5916, 84.5662, 102.3231

Complementary

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



81.2996, 84.5662, 77.6836



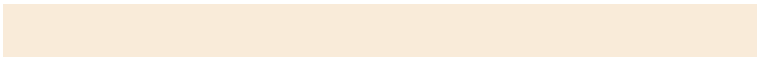
74.2897, 78.7413, 100.9062

Split Complementary

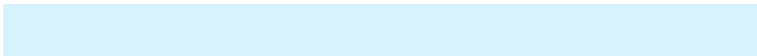
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2534, 84.5662, 107.3460



81.2996, 84.5662, 77.6836



76.9746, 84.5662, 104.4586

Square

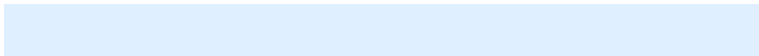
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2996, 84.5662, 77.6836



75.1803, 84.5662, 89.4728



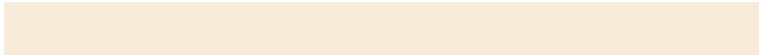
79.4627, 84.5662, 108.1495



85.8091, 84.5662, 94.7337

Rectangle

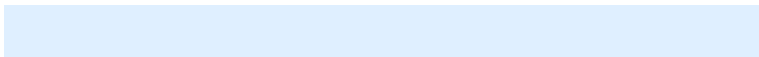
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2996, 84.5662, 77.6836



76.9476, 84.5662, 80.7782



79.4627, 84.5662, 108.1495



83.9081, 84.5662, 104.3858

Sweetspot

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



81.3019, 84.5699, 77.6854



92.0443, 96.5471, 100.0104



78.3611, 75.5587, 86.3530



19.5831, 20.5285, 21.0596



0.0000, 0.0000, 0.0000



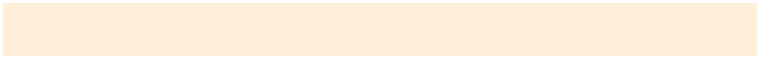
20.3446, 21.4041, 23.3091

Same Dimension

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



81.3019, 84.5699, 77.6854



84.3856, 87.5641, 77.9292



84.8998, 92.6088, 79.0474



18.0549, 18.8457, 18.1484



26.0838, 21.1243, 2.7026



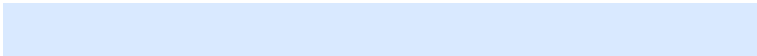
2.5213, 2.1675, 0.2855

Inverse Universe

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



74.2897, 78.7413, 100.9062



75.8655, 80.4825, 106.1439



71.0060, 71.4646, 99.6747



16.9076, 17.8920, 21.9477



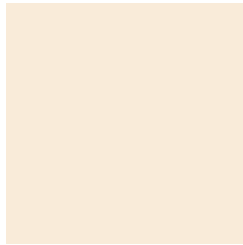
12.2099, 9.7754, 49.2169



1.2343, 1.1122, 4.5928

Previews

White Background



This preview shows how the XYZ color 81.2996, 84.5662, 77.6836 looks on a white background.

Color Contrast Check

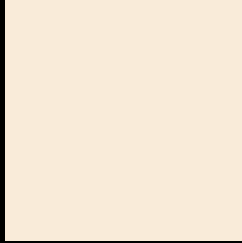
Large Text (above 18pt) WCAG AA × Fail

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 81.2996, 84.5662, 77.6836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

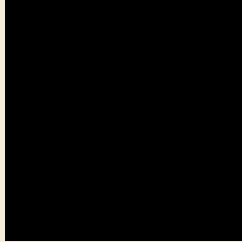
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

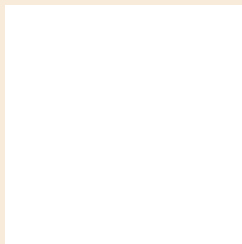
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2996, 84.5662, 77.6836

Background



This preview shows how black text looks on a background with the XYZ color 81.2996, 84.5662, 77.6836.

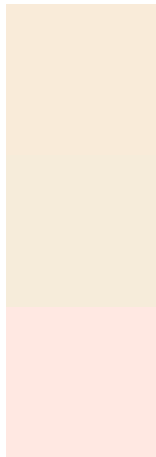


This preview shows how white text looks on a background with the XYZ color 81.2996, 84.5662,

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

81.2996, 84.5662, 77.6836

Protanopia

80.6564, 84.6457, 78.4169

Deuteranopia

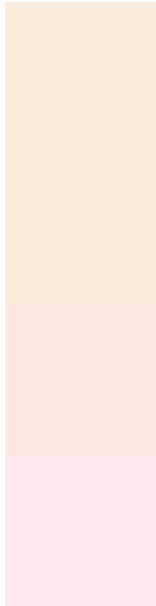
83.8241, 84.4642, 83.8367



Tritanopia

85.7481, 84.2536, 100.5501

Trichromacy



Original Color

81.2996, 84.5662, 77.6836

Protanomaly

81.0081, 84.8270, 78.4333

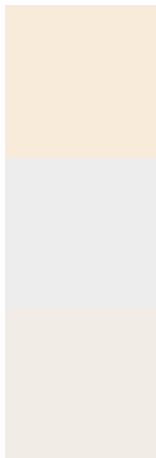
Deuteranomaly

82.9662, 84.4882, 81.7471

Tritanomaly

84.2876, 84.5231, 91.9929

Monochromacy



Original Color

81.2996, 84.5662, 77.6836

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5540, 84.4048, 86.9090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2996, 84.5662, 77.6836 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(249, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(249, 235, 217)  
}
```

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(249, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 235, 217) }
```

Border

The CSS property to change the border of an element to XYZ 81.2996, 84.5662, 77.6836 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(249, 235, 217) }
```


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

```
.border{ border-color:rgb(249, 235, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(249, 235,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2996, 84.5662, 77.6836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 235, 217) }
```

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

```
.background{ background-color: rgb(249,  
235, 217) }
```

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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