

Converting Colors

XYZ(78.6861, 83.0070, 77.5937)

Have a look what the booklet for
XYZ(78.6861, 83.0070, 77.5937)
contains.

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Color

**XYZ(78.8507, 83.3037,
77.5690)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EBD9
RGB	242, 235, 217
RGB Percent	95%, 92%, 85%
CMY	0.0510, 0.0784, 0.1490
CMYK	0.00, 0.03, 0.10, 0.05
HSL	43°, 49%, 90%
HSV	43°, 10%, 95%
XYZ	78.8507, 83.3037, 77.5690
YIQ	235.0410, 9.9500, -4.1140

Conversions

Conversions Part 2

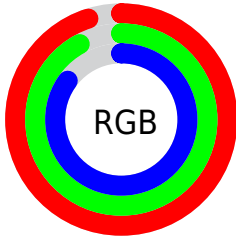
Format	Color
R_{YB}	227, 242, 217
Decimal	15920089
CIE Lab	93.15, -0.65, 9.56
CIE LCh	93, 9.583, 93.880
Yxy	83.3037, 0.3289, 0.3475
Android (android.graphics.Color)	4294110169 (0xFFFF2EBD9)
YUV	235.0410, -8.8942, 6.1030
Hunter-Lab	91.2709, -5.5143, 13.5004

Details

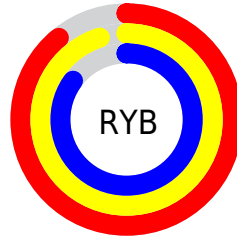
The XYZ color **78.8507, 83.3037, 77.5690** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.2978, 74.4725, 94.6221**, and the grayscale version is **79.0591, 83.1763, 90.5790**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8914, 45.2879, 40.6632** is the 20% darker color. If you saturate the color by 10%, you get **74.0298, 78.3347, 61.5545**, and if you desaturate by 10%, it is **84.2116, 88.6123, 96.0427**.

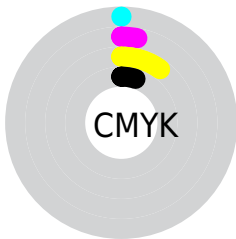
Distribution



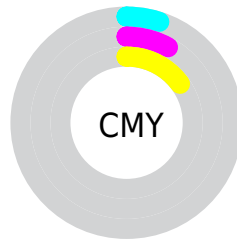
- Red (95%)
- Green (92%)
- Blue (85%)



- Red (89%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8507, 83.3037, 77.5690 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 78.8507, 83.3037, 77.5690 by changing the saturation by 10% instead.

 78.8507, 83.3037,
77.5690

 78.8507, 83.3037,
77.5690


479.8469,
505.9981, 506.1910

 59.0783, 62.4407,
57.2056


130.7077,
138.0007, 131.7227

 42.9227, 45.3889,
40.7599


163.5230,
172.6036, 166.3501

 30.0188, 31.7639,
27.8132


201.4166,
212.5552, 206.5694

 20.0010, 21.1812,
17.9471

244.7538,
258.2399, 252.7989

 12.5040, 13.2565,
10.7430

293.9001,
310.0422, 305.4573

 7.1625, 7.6054,
5.7823

349.2208,

 3.6112, 3.8435,

368.3464, 364.9630

2.6465

411.0813,
433.5369, 431.7348

■ 1.4846, 1.5864,
0.9163

■ 0.3153, 0.3484,
0.0000

■ 78.8507, 83.3037,
77.5690

■ 78.8507, 83.3037,
77.5690

■ 74.0298, 78.3347,
61.5545

■ 84.2116, 88.6123,
96.0427

■ 69.7212, 73.6848,
47.8882

■ 88.4048, 93.5703,
108.0092

■ 65.9050, 69.3472,
36.4585

■ 90.4283, 97.6174,
108.6837

■ 62.5571, 65.3111,
27.1426

■ 59.6509, 61.5645,
19.8058

■ 57.1573, 58.0942,
14.2977

■ 55.0426, 54.8856,
10.4462

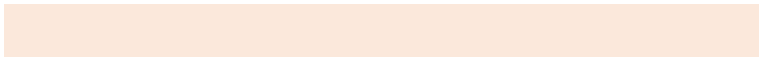
■ 53.2671, 51.9211,
8.0461

■ 51.8097, 49.2601,
6.7775

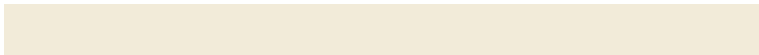
Harmonies

Analogous

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



81.3269, 83.3037, 78.8220



78.8507, 83.3037, 77.5690



76.5110, 83.3037, 79.6790

Triad

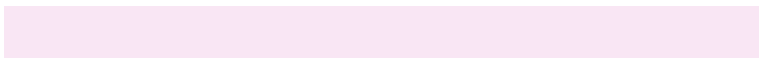
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8507, 83.3037, 77.5690



75.2283, 83.3037, 98.6495



83.6019, 83.3037, 96.9418

Complementary

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



78.8507, 83.3037, 77.5690



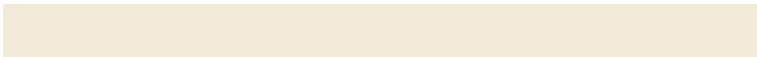
71.2978, 74.4725, 94.6221

Split Complementary

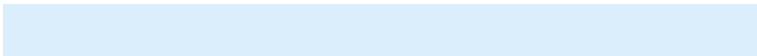
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9056, 83.3037, 102.7008



78.8507, 83.3037, 77.5690



77.0666, 83.3037, 103.7228

Square

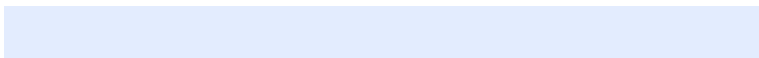
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



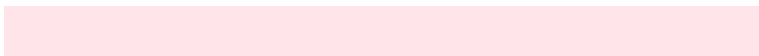
78.8507, 83.3037, 77.5690



74.4478, 83.3037, 91.6445



79.5055, 83.3037, 105.2430



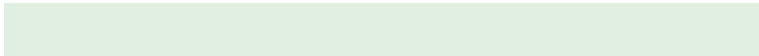
84.1038, 83.3037, 89.7691

Rectangle

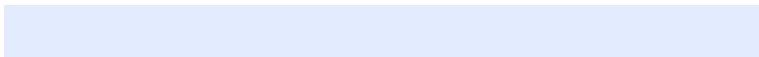
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8507, 83.3037, 77.5690



75.3332, 83.3037, 82.7780



79.5055, 83.3037, 105.2430



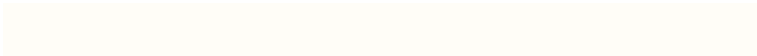
83.1507, 83.3037, 99.1195

Sweetspot

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



78.8530, 83.3074, 77.5708



93.1635, 98.1589, 102.3154



74.8977, 73.8905, 80.8962



19.8349, 20.9060, 21.5324



0.0000, 0.0000, 0.0000



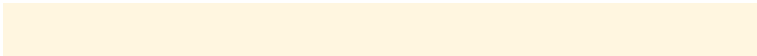
20.3446, 21.4041, 23.3091

Same Dimension

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



78.8530, 83.3074, 77.5708



87.8379, 92.8417, 84.0964



79.0636, 86.4479, 78.1659



16.7273, 17.6677, 16.6783



27.9534, 26.7050, 3.6813



2.4089, 2.3885, 0.3341

Inverse Universe

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



71.2978, 74.4725, 94.6221



78.0428, 81.3878, 106.2039



71.0930, 71.6332, 94.0849



15.2573, 15.9488, 19.9959



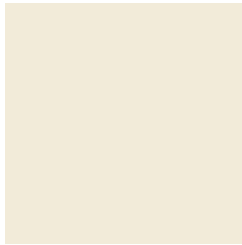
9.8101, 5.8444, 45.7389



0.8971, 0.6482, 3.8320

Previews

White Background



This preview shows how the XYZ color 78.8507, 83.3037, 77.5690 looks on a white background.

Color Contrast Check

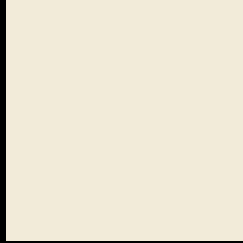
Large Text (above 18pt) WCAG AA × Fail

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 78.8507, 83.3037, 77.5690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

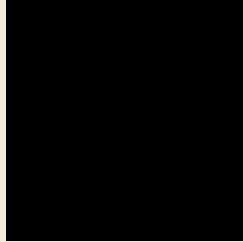
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

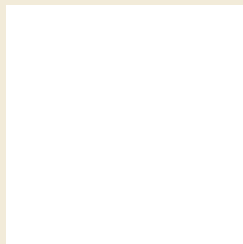
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8507, 83.3037, 77.5690

Background



This preview shows how black text looks on a background with the XYZ color 78.8507, 83.3037, 77.5690.



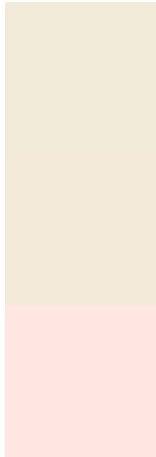
This preview shows how white text looks on a background with the XYZ color 78.8507, 83.3037,

77.5690.

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

78.8507, 83.3037, 77.5690

Protanopia

79.2554, 83.0885, 77.5061

Deuteranopia

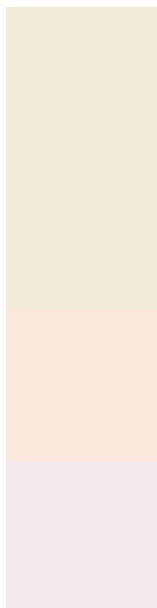
82.9914, 83.2354, 82.2129



Tritanopia

83.2461, 82.9638, 100.4330

Trichromacy



Original Color

78.8507, 83.3037, 77.5690

Protanomaly

78.9094, 82.9101, 77.4899

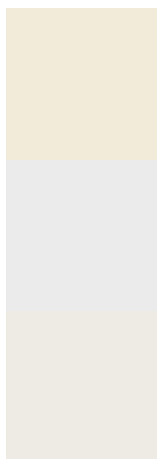
Deuteranomaly

81.3321, 83.2577, 80.1903

Tritanomaly

81.7989, 83.2401, 91.8765

Monochromacy



Original Color

78.8507, 83.3037, 77.5690

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9718, 83.1952, 85.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8507, 83.3037, 77.5690 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(242, 235, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 217) }
```

Border

The CSS property to change the border of an element to XYZ 78.8507, 83.3037, 77.5690 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(242, 235, 217) }
```


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

```
.border{ border-color:rgb(242, 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(242, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8507, 83.3037, 77.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 217) }
```

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

```
.background{ background-color: rgb(242,  
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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