

Converting Colors

XYZ(77.9619, 81.9848, 85.7105)

Have a look what the booklet for
XYZ(77.9619, 81.9848, 85.7105)
contains.

XYZ(77.8738, 81.7678, 85.8071)	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(77.8738, 81.7678,
85.8071)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE9E5
RGB	236, 233, 229
RGB Percent	93%, 91%, 90%
CMY	0.0745, 0.0863, 0.1020
CMYK	0.00, 0.01, 0.03, 0.07
HSL	34°, 16%, 91%
HSV	34°, 3%, 93%
XYZ	77.8738, 81.7678, 85.8071
YIQ	233.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

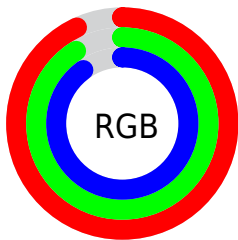
Format	Color
R_{YB}	234, 236, 229
Decimal	15526373
CIE _{Lab}	92.47, 0.31, 2.29
CIE _{LCh}	92, 2.307, 82.213
Yxy	81.7678, 0.3173, 0.3331
Android (android.graphics.Color)	4293716453 (0xFFECE9E5)
YUV	233.4410, -2.1894, 2.2442
Hunter-Lab	90.4255, -4.5219, 7.0361

Details

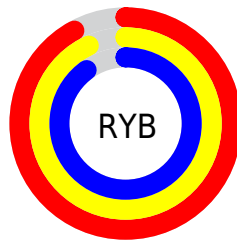
The XYZ color **77.8738, 81.7678, 85.8071** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3100, 80.4262, 90.8597**, and the grayscale version is **77.8007, 81.8524, 89.1373**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1845, 44.2036, 46.3532** is the 20% darker color. If you saturate the color by 10%, you get **72.0229, 74.9851, 68.6896**, and if you desaturate by 10%, it is **84.3410, 89.0642, 105.3421**.

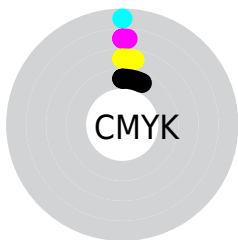
Distribution



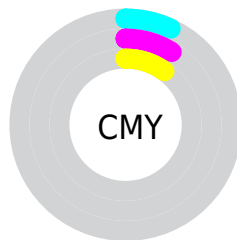
- Red (93%)
- Green (91%)
- Blue (90%)



- Red (92%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8738, 81.7678, 85.8071 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 77.8738, 81.7678, 85.8071 by changing the saturation by 10% instead.

■ 77.8738, 81.7678,
85.8071

■ 77.8738, 81.7678,
85.8071

476.5845,
500.8707, 534.5090

■ 58.2727, 61.1742,
63.9545

129.3385,
135.8483, 143.3844

■ 42.2721, 44.3657,
46.1679

161.9329,
170.1040, 179.9462

■ 29.5064, 30.9581,
32.0287

199.5890,
209.6825, 222.2482

■ 19.6105, 20.5670,
21.1184

242.6724,
254.9682, 270.7088

■ 12.2188, 12.8078,
13.0185

291.5482,
306.3454, 325.7467

■ 6.9661, 7.2964,
7.3104

346.5820,

■ 3.4871, 3.6481,

364.1987, 387.7803

3.5756

408.1389,
428.9123, 457.2282

■ 1.4163, 1.4787,
1.3955

■ 0.2678, 0.2737,
0.1382

■ 77.8738, 81.7678,
85.8071

■ 77.8738, 81.7678,
85.8071

■ 72.0229, 74.9851,
68.6896

■ 84.3410, 89.0642,
105.3421

■ 66.7607, 68.6928,
53.8888

■ 87.8329, 95.4339,
108.3990

■ 62.0677, 62.8812,
41.3046

■ 88.4025, 96.5731,
108.5889

■ 57.9203, 57.5365,
30.8276

■ 54.2932, 52.6436,
22.3389

■ 51.1588, 48.1869,
15.7076

■ 48.4862, 44.1488,
10.7869

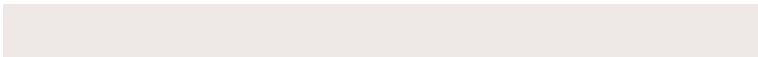
■ 46.2402, 40.5103,
7.4076

■ 44.3790, 37.2491,
5.3648

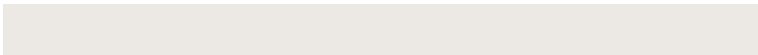
Harmonies

Analogous

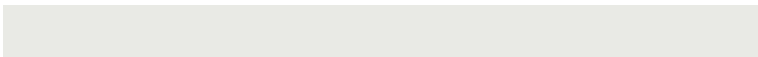
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4248, 81.7678, 86.4531



77.8738, 81.7678, 85.8071



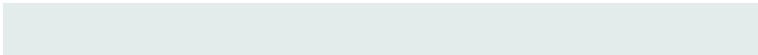
77.2838, 81.7678, 86.0162

Triad

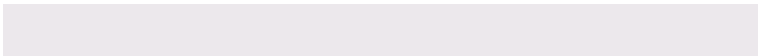
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8738, 81.7678, 85.8071



76.6578, 81.7678, 90.2824



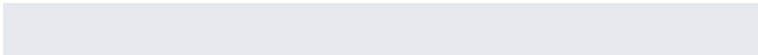
78.6304, 81.7678, 91.0650

Complementary

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



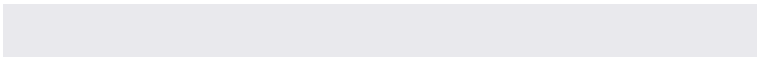
77.8738, 81.7678, 85.8071



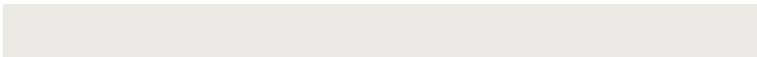
76.3100, 80.4262, 90.8597

Split Complementary

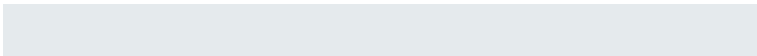
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1535, 81.7678, 92.1159



77.8738, 81.7678, 85.8071



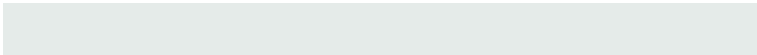
77.0152, 81.7678, 91.6601

Square

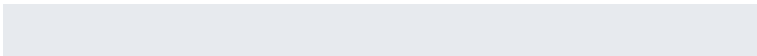
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8738, 81.7678, 85.8071



76.5838, 81.7678, 88.5856



77.5621, 81.7678, 92.3351



78.8631, 81.7678, 89.4783

Rectangle

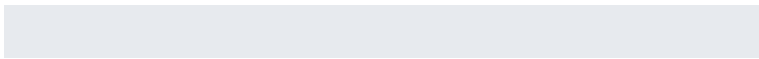
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8738, 81.7678, 85.8071



76.9476, 81.7678, 86.6136



77.5621, 81.7678, 92.3351



78.4932, 81.7678, 91.4935

Sweetspot

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



77.8761, 81.7713, 85.8089



94.2949, 99.1425, 106.6363



77.1827, 79.7008, 87.6857



20.1910, 21.2296, 22.8484



0.0000, 0.0000, 0.0000



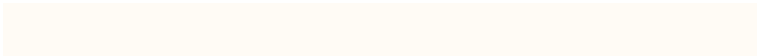
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8761, 81.7713, 85.8089



92.0741, 96.6067, 100.0203



78.5767, 83.4022, 86.0867



16.3766, 17.1736, 17.6165



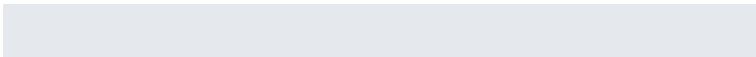
23.9744, 19.6431, 2.5279



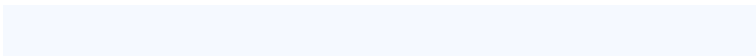
1.9777, 1.7327, 0.2302

Inverse Universe

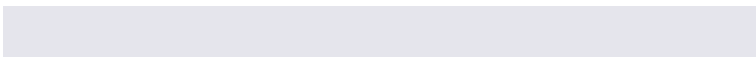
The Inverse Universe completely reimagines the original color for something new.



76.3100, 80.4262, 90.8597



89.5633, 94.4501, 108.1180



75.6230, 78.8309, 90.5880



15.8501, 16.7215, 19.3144



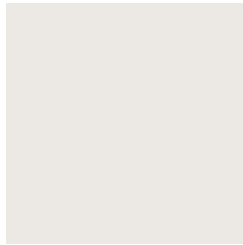
11.0336, 8.7141, 44.8434



0.9601, 0.8717, 3.5525

Previews

White Background



This preview shows how the XYZ color 77.8738, 81.7678, 85.8071 looks on a white background.

Color Contrast Check

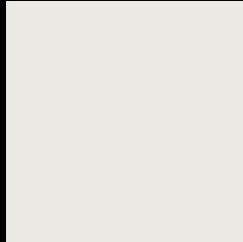
Large Text (above 18pt) WCAG AA × Fail

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 77.8738, 81.7678, 85.8071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

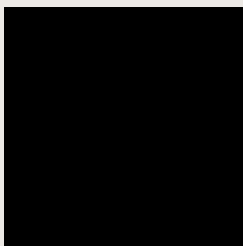
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

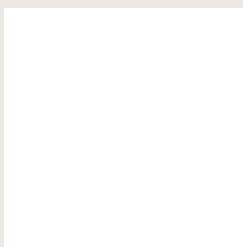
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8738, 81.7678, 85.8071

Background



This preview shows how black text looks on a background with the XYZ color 77.8738, 81.7678, 85.8071.



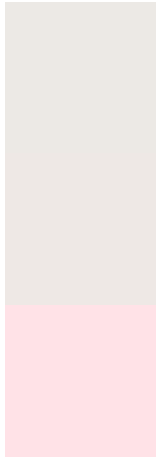
This preview shows how white text looks on a background with the XYZ color 77.8738, 81.7678,

85.8071.

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

77.8738, 81.7678, 85.8071

Protanopia

78.2594, 81.5475, 85.7443

Deuteranopia

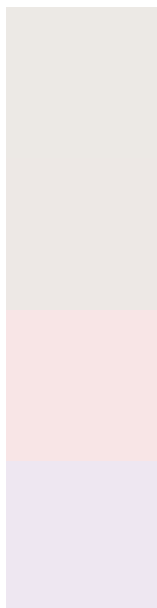
82.8602, 81.4222, 86.9502



Tritanopia

80.8367, 81.7217, 100.3202

Trichromacy



Original Color

77.8738, 81.7678, 85.8071

Protanomaly

77.9245, 81.3749, 85.7286

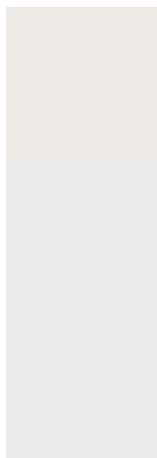
Deuteranomaly

81.0136, 81.7083, 86.3643

Tritanomaly

79.7130, 81.6798, 94.7835

Monochromacy



Original Color

77.8738, 81.7678, 85.8071

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6361, 81.5964, 88.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8738, 81.7678, 85.8071 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(236, 233, 229) looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 229)  
}
```

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(236, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 229) }
```

Border

The CSS property to change the border of an element to XYZ 77.8738, 81.7678, 85.8071 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(236, 233, 229) }
```


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

```
.border{ border-color:rgb(236, 233, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8738, 81.7678, 85.8071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 229) }
```

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

```
.background{ background-color: rgb(236,  
233, 229) }
```

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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