

Converting Colors

XYZ(78.7981, 86.1768, 76.3769)

Have a look what the booklet for
XYZ(78.7981, 86.1768, 76.3769)
contains.

XYZ(78.8148, 86.3638, 76.1342)	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(78.8148, 86.3638,
76.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2D6
RGB	237, 242, 214
RGB Percent	93%, 95%, 84%
CMY	0.0706, 0.0510, 0.1608
CMYK	0.02, 0.00, 0.12, 0.05
HSL	71°, 52%, 89%
HSV	71°, 12%, 95%
XYZ	78.8148, 86.3638, 76.1342
YIQ	237.3130, 6.0080, -9.7680

Conversions

Conversions Part 2

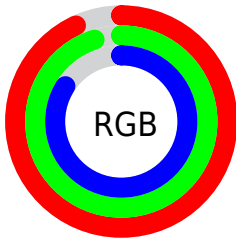
Format	Color
R _Y B	214, 242, 219
Decimal	15594198
CIE Lab	94.47, -6.41, 12.95
CIE LCh	94, 14.447, 116.347
Yxy	86.3638, 0.3266, 0.3579
Android (android.graphics.Color)	4293784278 (0xFFEDF2D6)
YUV	237.3130, -11.4933, -0.2745
Hunter-Lab	92.9321, -11.2472, 16.4794

Details

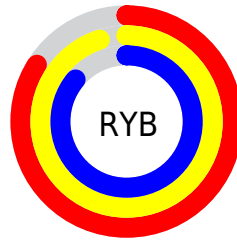
The XYZ color **78.8148, 86.3638, 76.1342** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.2903, 69.5663, 93.7846**, and the grayscale version is **80.8220, 85.0310, 92.5988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8730, 47.4448, 39.6990** is the 20% darker color. If you saturate the color by 10%, you get **74.5251, 84.4859, 60.9809**, and if you desaturate by 10%, it is **83.6033, 88.4509, 93.7113**.

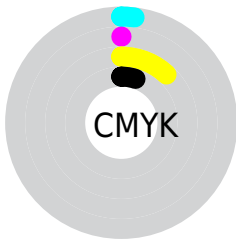
Distribution



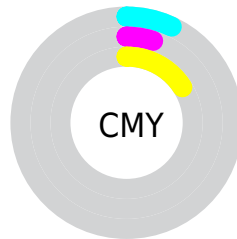
- Red (93%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8148, 86.3638, 76.1342 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 78.8148, 86.3638, 76.1342 by changing the saturation by 10% instead.

78.8148, 86.3638,
76.1342

78.8148, 86.3638,
76.1342

479.7272,
516.1300, 501.1660

59.0487, 64.9688,
56.0352

130.6574,
142.2771, 129.6784

42.8988, 47.4358,
39.8270

163.4646,
177.5641, 163.9608

29.9999, 33.3803,
27.0909

201.3495,
218.2507, 203.8080

19.9866, 22.4180,
17.4085

244.6774,
264.7212, 249.6386

12.4935, 14.1643,
10.3611

293.8138,
317.3600, 301.8712

7.1553, 8.2350,
5.5303

349.1240,

3.6066, 4.2457,

376.5515, 360.9242

2.4975

410.9734,
442.6800, 427.2163

■ 1.4821, 1.8119,
0.8388

■ 0.3136, 0.4946,
0.0000

■ 78.8148, 86.3638,
76.1342

■ 78.8148, 86.3638,
76.1342

■ 74.5251, 84.4859,
60.9809

■ 83.6033, 88.4509,
93.7113

■ 70.7067, 82.7978,
48.1396

■ 87.6876, 90.2575,
107.4075

■ 67.3401, 81.2943,
37.4978

■ 89.2195, 91.0472,
107.4792

■ 64.4015, 79.9659,
28.9318

■ 90.7871, 91.8553,
107.5526

■ 61.8647, 78.8022,
22.3054

■ 91.0439, 91.9877,
107.5646

■ 59.7006, 77.7914,
17.4662

■ 57.8757, 76.9202,
14.2389

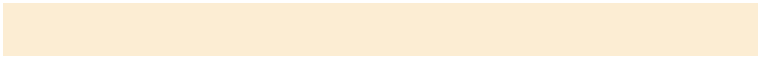
■ 56.3498, 76.1724,
12.4133

■ 55.2426, 75.6166,
11.6839

Harmonies

Analogous

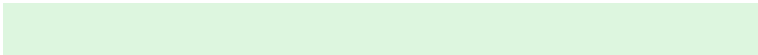
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5632, 86.3638, 74.2568



78.8148, 86.3638, 76.1342



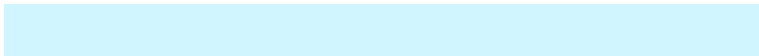
76.0226, 86.3638, 82.6690

Triad

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



78.8148, 86.3638, 76.1342



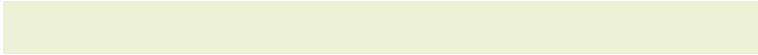
78.0150, 86.3638, 112.9954



89.7706, 86.3638, 95.4056

Complementary

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



78.8148, 86.3638, 76.1342



69.2903, 69.5663, 93.7846

Split Complementary

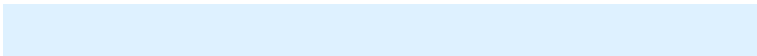
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4639, 86.3638, 106.3989



78.8148, 86.3638, 76.1342



81.6110, 86.3638, 117.0470

Square

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



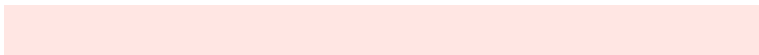
78.8148, 86.3638, 76.1342



75.5712, 86.3638, 103.8551



85.4469, 86.3638, 114.5435



88.9653, 86.3638, 84.8552

Rectangle

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



78.8148, 86.3638, 76.1342



75.0378, 86.3638, 89.0745



85.4469, 86.3638, 114.5435



89.5627, 86.3638, 99.1774

Sweetspot

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



78.8171, 86.3676, 76.1361



93.3414, 99.2587, 102.5184



74.0031, 74.2240, 74.0458



19.8830, 21.2038, 21.5874



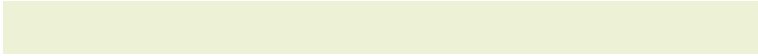
0.0000, 0.0000, 0.0000



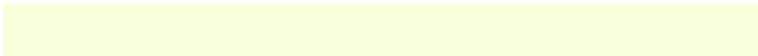
20.3446, 21.4041, 23.3091

Same Dimension

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



78.8171, 86.3676, 76.1361



87.5173, 96.7203, 81.2813



74.4269, 84.1043, 75.9306



16.8297, 18.3079, 16.7965



29.7809, 40.6741, 6.2813



2.5491, 3.4206, 0.5259

Inverse Universe

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



69.2903, 69.5663, 93.7846



74.7236, 74.1568, 104.9831



73.5719, 71.7736, 93.9850



15.1607, 15.3645, 19.8882



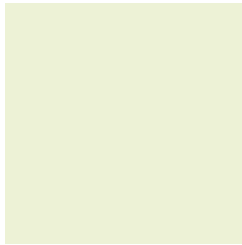
9.2310, 3.7642, 45.3679



0.8418, 0.3512, 3.7776

Previews

White Background



This preview shows how the XYZ color 78.8148, 86.3638, 76.1342 looks on a white background.

Color Contrast Check

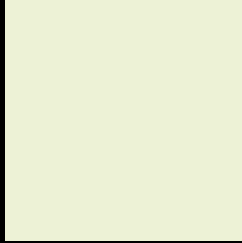
Large Text (above 18pt) WCAG AA × Fail

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 78.8148, 86.3638, 76.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

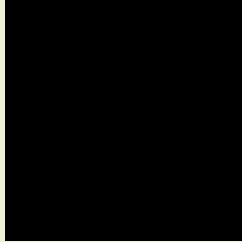
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

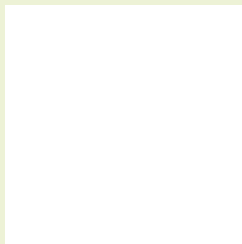
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8148, 86.3638, 76.1342

Background



This preview shows how black text looks on a background with the XYZ color 78.8148, 86.3638, 76.1342.

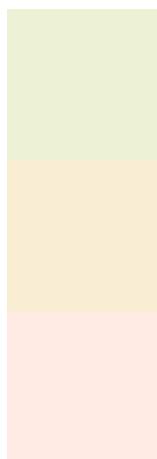


This preview shows how white text looks on a background with the XYZ color 78.8148, 86.3638,

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

78.8148, 86.3638, 76.1342

Protanopia

81.5251, 86.0423, 74.5983

Deuteranopia

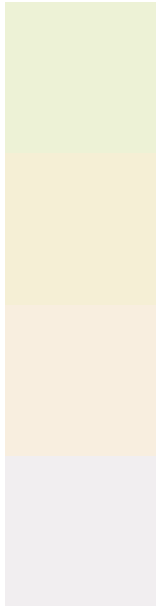
84.9519, 86.2781, 85.5747



Tritanopia

85.0076, 86.2656, 106.7783

Trichromacy



Original Color

78.8148, 86.3638, 76.1342

Protanomaly

80.5329, 85.9496, 75.2962

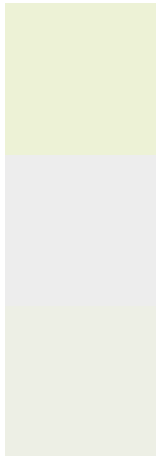
Deuteranomaly

82.6052, 86.4332, 82.1416

Tritanomaly

82.5783, 86.1411, 94.7126

Monochromacy



Original Color

78.8148, 86.3638, 76.1342

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.9344, 85.3947, 86.3986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8148, 86.3638, 76.1342 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, 242, 214)` looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 214)  
}
```

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, 242, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 214) }
```

Border

The CSS property to change the border of an element to XYZ 78.8148, 86.3638, 76.1342 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, 242, 214) }
```


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

```
.border{ border-color:rgb(237, 242, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 214);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8148, 86.3638, 76.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 214) }
```

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

```
.background{ background-color: rgb(237,  
242, 214) }
```

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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