

Converting Colors

XYZ(78.3773, 87.7717, 65.0839)

Have a look what the booklet for
XYZ(78.3773, 87.7717, 65.0839)
contains.

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Color

**XYZ(78.2128, 87.6411,
65.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF5C4
RGB	239, 245, 196
RGB Percent	94%, 96%, 77%
CMY	0.0627, 0.0392, 0.2314
CMYK	0.02, 0.00, 0.20, 0.04
HSL	67°, 71%, 86%
HSV	67°, 20%, 96%
XYZ	78.2128, 87.6411, 65.0187
YIQ	237.6200, 12.1530, -16.5110

Conversions

Conversions Part 2

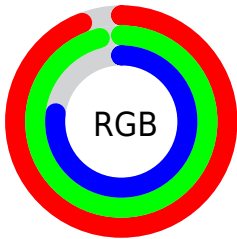
Format	Color
R_{YB}	196, 245, 202
Decimal	15726020
CIE _{Lab}	95.01, -9.95, 22.98
CIE _{LCh}	95, 25.038, 113.406
Y _{xy}	87.6411, 0.3388, 0.3796
Android (android.graphics.Color)	4293916100 (0xFFEFF5C4)
YUV	237.6200, -20.5187, 1.2103
Hunter-Lab	93.6168, -14.7004, 24.3537

Details

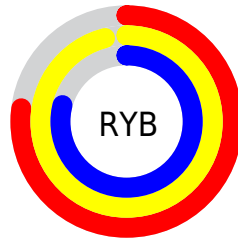
The XYZ color **78.2128, 87.6411, 65.0187** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.5820, 58.6314, 94.5151**, and the grayscale version is **81.1232, 85.3479, 92.9439**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **42.6085, 48.4155, 32.6906** is the 20% darker color. If you saturate the color by 10%, you get **74.6442, 86.1005, 51.4640**, and if you desaturate by 10%, it is **82.2583, 89.3803, 80.9764**.

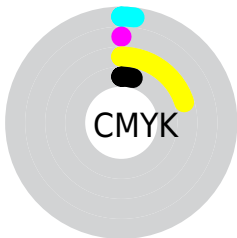
Distribution



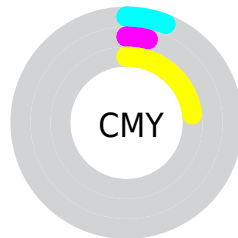
- Red (94%)
- Green (96%)
- Blue (77%)



- Red (77%)
- Yellow (96%)
- Blue (79%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2128, 87.6411, 65.0187 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 78.2128, 87.6411, 65.0187 by changing the saturation by 10% instead.

78.2128, 87.6411,
65.0187

78.2128, 87.6411,
65.0187

477.7180,
520.3272, 461.1672

58.5522, 66.0259,
47.0248

129.8138,
144.0574, 113.6903

42.4977, 48.2934,
32.7008

162.4850,
179.6272, 145.2050

29.6840, 34.0593,
21.6281

200.2237,
220.6174, 182.0638

19.7458, 22.9392,
13.3882

243.3953,
267.4124, 224.6852

12.3176, 14.5486,
7.5625

292.3652,
320.3964, 273.4877

7.0341, 8.5032,
3.7326

347.4987,

3.5299, 4.4186,

379.9540, 328.8898

1.4798

409.1612,
446.4694, 391.3101

■ 1.4398, 1.9104,
0.2028

■ 0.2843, 0.5546,
0.0000

■ 78.2128, 87.6411,
65.0187

■ 78.2128, 87.6411,
65.0187

■ 74.6442, 86.1005,
51.4640

■ 82.2583, 89.3803,
80.9764

■ 71.5235, 84.7380,
40.1905

■ 86.7944, 91.3148,
99.4398

■ 68.8290, 83.5479,
31.0740

■ 89.4187, 92.4865,
107.7466

■ 66.5343, 82.5197,
23.9763

■ 90.4919, 93.0398,
107.7968

■ 64.6101, 81.6415,
18.7435

■ 91.5823, 93.6019,
107.8478

■ 63.0228, 80.9000,
15.1992

■ 91.9443, 93.7885,
107.8648

■ 61.7325, 80.2793,
13.1334

■ 60.6727, 79.7526,
12.1960

Harmonies

Analogous

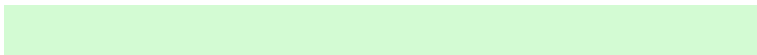
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8108, 87.6411, 62.8489



78.2128, 87.6411, 65.0187



73.2362, 87.6411, 74.7967

Triad

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



78.2128, 87.6411, 65.0187



75.7455, 87.6411, 128.7631



96.9772, 87.6411, 99.7914

Complementary

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



78.2128, 87.6411, 65.0187



60.5820, 58.6314, 94.5151

Split Complementary

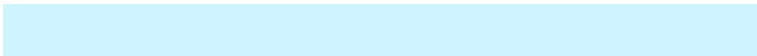
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2465, 87.6411, 119.5379



78.2128, 87.6411, 65.0187



81.8077, 87.6411, 137.6728

Square

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



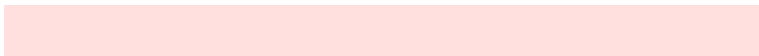
78.2128, 87.6411, 65.0187



71.8668, 87.6411, 111.0899



88.6036, 87.6411, 134.0859



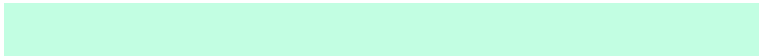
95.8862, 87.6411, 81.3088

Rectangle

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



78.2128, 87.6411, 65.0187



71.3862, 87.6411, 85.1258



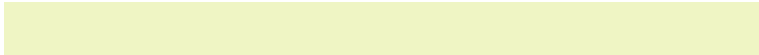
88.6036, 87.6411, 134.0859



96.4712, 87.6411, 106.5259

Sweetspot

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



78.2151, 87.6450, 65.0206



91.9972, 98.6996, 96.4068



68.6771, 65.5086, 61.2505



19.6226, 21.0965, 20.3570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

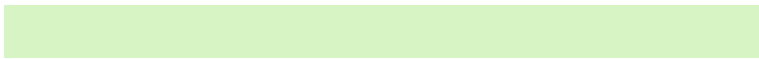
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2151, 87.6450, 65.0206



84.0094, 95.2712, 64.8827



70.5801, 83.7090, 64.6633



17.7031, 19.2045, 17.5714



32.7638, 43.0032, 6.5736



2.9347, 3.8079, 0.5803

Inverse Universe

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



60.5820, 58.6314, 94.5151



61.4655, 58.1738, 102.5968



67.6562, 62.2783, 94.8462



15.7698, 16.0240, 20.8043



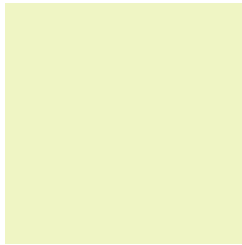
9.2280, 3.7315, 46.7719



0.8703, 0.3585, 4.1136

Previews

White Background



This preview shows how the XYZ color 78.2128, 87.6411, 65.0187 looks on a white background.

Color Contrast Check

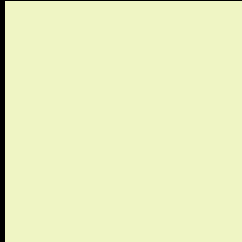
Large Text (above 18pt) WCAG AA × Fail

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 78.2128, 87.6411, 65.0187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

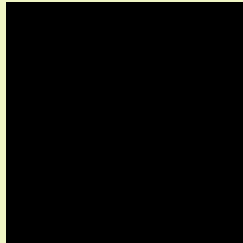
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

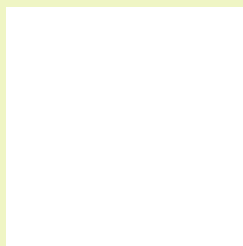
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2128, 87.6411, 65.0187

Background



This preview shows how black text looks on a background with the XYZ color 78.2128, 87.6411, 65.0187.



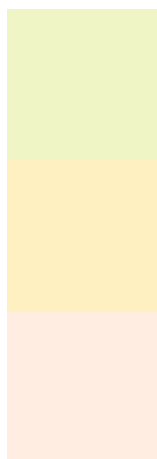
This preview shows how white text looks on a background with the XYZ color 78.2128, 87.6411,

65.0187.

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

78.2128, 87.6411, 65.0187

Protanopia

82.1377, 87.4752, 63.5942

Deuteranopia

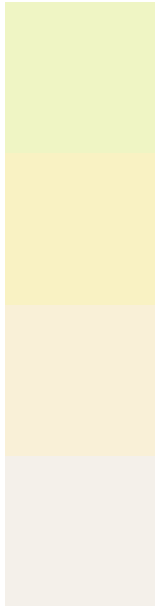
85.2517, 87.3194, 84.3126



Tritanopia

86.6920, 87.5625, 106.9398

Trichromacy



Original Color

78.2128, 87.6411, 65.0187

Protanomaly

80.6694, 87.5841, 64.2835

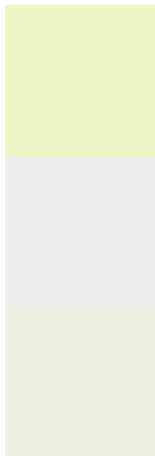
Deuteranomaly

82.4928, 87.3662, 76.8055

Tritanomaly

83.3196, 87.4938, 90.3385

Monochromacy



Original Color

78.2128, 87.6411, 65.0187

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.0345, 86.4154, 82.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2128, 87.6411, 65.0187 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(239, 245, 196)` looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 196)  
}
```

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(239, 245, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 196) }
```

Border

The CSS property to change the border of an element to XYZ 78.2128, 87.6411, 65.0187 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(239, 245, 196) }
```


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

```
.border{ border-color:rgb(239, 245, 196) }
```

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

Here you see how a box with a 4 pixel rgb(239, 245, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 196);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2128, 87.6411, 65.0187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 196) }
```

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

```
.background{ background-color: rgb(239,  
245, 196) }
```

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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