

Converting Colors

XYZ(76.8339, 87.6183, 65.3225)

Have a look what the booklet for
XYZ(76.8339, 87.6183, 65.3225)
contains.

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Color

**XYZ(76.8288, 87.8307,
65.1283)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F7C4
RGB	233, 247, 196
RGB Percent	91%, 97%, 77%
CMY	0.0863, 0.0313, 0.2314
CMYK	0.06, 0.00, 0.21, 0.03
HSL	76°, 76%, 87%
HSV	76°, 21%, 97%
XYZ	76.8288, 87.8307, 65.1283
YIQ	237.0000, 8.0270, -18.8290

Conversions

Conversions Part 2

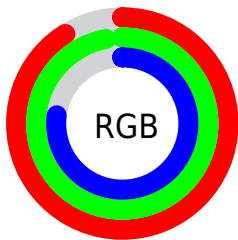
Format	Color
RYB	196, 247, 210
Decimal	15333316
CIELab	95.09, -13.07, 23.02
CIELCh	95, 26.473, 119.588
Yxy	87.8307, 0.3343, 0.3822
Android (android.graphics.Color)	4293523396 (0xFFE9F7C4)
YUV	237.0000, -20.2130, -3.5080
Hunter-Lab	93.7180, -17.6746, 24.3997

Details

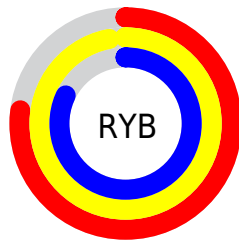
The XYZ color **76.8288, 87.8307, 65.1283** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1104, 59.8994, 96.2360**, and the grayscale version is **80.6446, 84.8444, 92.3956**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **41.6447, 48.5617, 32.7696** is the 20% darker color. If you saturate the color by 10%, you get **72.0745, 85.6810, 51.4183**, and if you desaturate by 10%, it is **82.1358, 90.2172, 81.2838**.

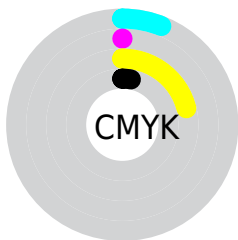
Distribution



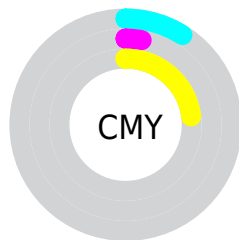
- Red (91%)
- Green (97%)
- Blue (77%)



- Red (77%)
- Yellow (97%)
- Blue (82%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (3%)



- Cyan (9%)
- Magenta (3%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8288, 87.8307, 65.1283 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 76.8288, 87.8307, 65.1283 by changing the saturation by 10% instead.

76.8288, 87.8307,
65.1283

76.8288, 87.8307,
65.1283

473.0810,
520.9487, 461.5717

57.4118, 66.1829,
47.1131

127.8719,
144.3214, 113.8493

41.5774, 48.4209,
32.7701

160.2287,
179.9331, 145.3923

28.9602, 34.1603,
21.6807

197.6296,
220.9682, 182.2815

19.1948, 23.0168,
13.4264

240.4397,
267.8111, 224.9357

11.9160, 14.6059,
7.5887

289.0246,
320.8462, 273.7732

6.7583, 8.5433,
3.7489

343.7496,

3.3564, 4.4445,

380.4579, 329.2127

1.4886

404.9799,
447.0306, 391.6727

■ 1.3449, 1.9252,
0.2094

■ 0.2165, 0.5635,
0.0000

■ 76.8288, 87.8307,
65.1283

■ 76.8288, 87.8307,
65.1283

■ 72.0745, 85.6810,
51.4183

■ 82.1358, 90.2172,
81.2838

■ 67.8423, 83.7469,
40.0290

■ 88.0106, 92.8378,
99.9903

■ 64.1091, 82.0221,
30.8329

■ 91.9477, 94.6933,
108.0392

■ 60.8471, 80.4952,
23.6883

■ 92.5526, 95.0052,
108.0675

■ 58.0250, 79.1537,
18.4366

■ 55.6073, 77.9832,
14.8960

■ 53.5519, 76.9668,
12.8494

■ 51.8944, 76.1303,
11.9595

Harmonies

Analogous

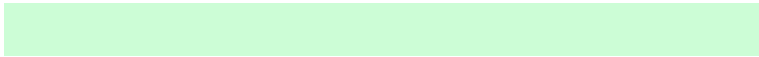
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5801, 87.8307, 61.2079



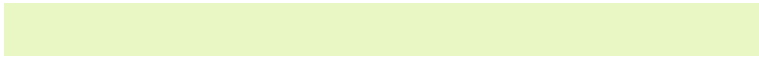
76.8288, 87.8307, 65.1283



72.0999, 87.8307, 76.9310

Triad

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



76.8288, 87.8307, 65.1283



76.6657, 87.8307, 134.0687



98.1056, 87.8307, 95.9182

Complementary

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



76.8288, 87.8307, 65.1283



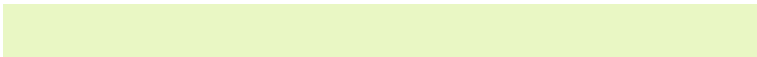
63.1104, 59.8994, 96.2360

Split Complementary

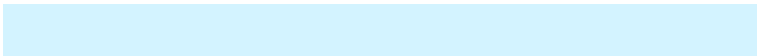
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9997, 87.8307, 117.1433



76.8288, 87.8307, 65.1283



83.3809, 87.8307, 141.0185

Square

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



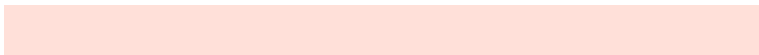
76.8288, 87.8307, 65.1283



72.0096, 87.8307, 116.5787



90.5053, 87.8307, 134.4263



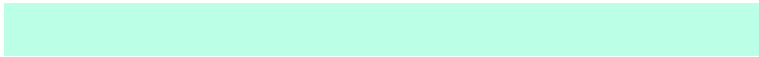
96.1090, 87.8307, 77.3591

Rectangle

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



76.8288, 87.8307, 65.1283



70.5895, 87.8307, 88.6437



90.5053, 87.8307, 134.4263



97.8523, 87.8307, 102.9797

Sweetspot

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



76.8311, 87.8346, 65.1302



91.1548, 98.2653, 96.3673



71.2727, 69.6584, 61.9148



19.4230, 20.9936, 20.3477



0.0000, 0.0000, 0.0000



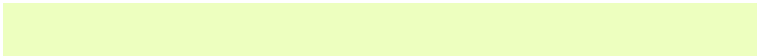
20.3446, 21.4041, 23.3091

Same Dimension

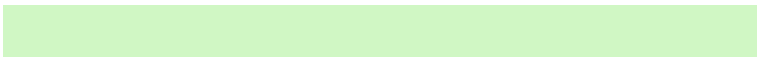
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8311, 87.8346, 65.1302



80.2819, 93.3824, 63.2279



69.2118, 83.9067, 64.7736



17.4450, 19.0715, 17.5593



27.5877, 40.3348, 6.3314



2.5233, 3.5959, 0.5611

Inverse Universe

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



63.1104, 59.8994, 96.2360



62.9607, 58.1104, 102.5058



70.8255, 63.8767, 96.5971



16.0082, 16.1469, 20.8155



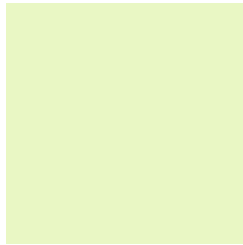
10.2500, 4.2584, 46.8197



0.9959, 0.4232, 4.1194

Previews

White Background



This preview shows how the XYZ color 76.8288, 87.8307, 65.1283 looks on a white background.

Color Contrast Check

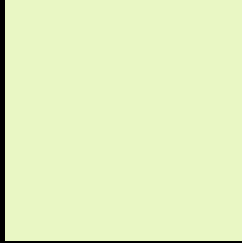
Large Text (above 18pt) WCAG AA × Fail

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 76.8288, 87.8307, 65.1283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

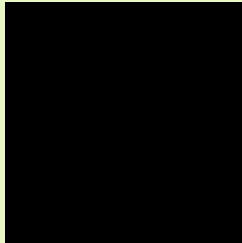
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

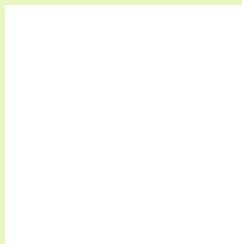
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8288, 87.8307, 65.1283

Background



This preview shows how black text looks on a background with the XYZ color 76.8288, 87.8307, 65.1283.



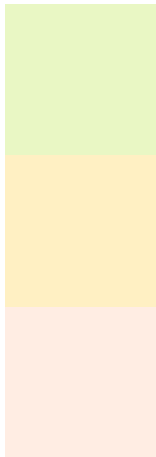
This preview shows how white text looks on a background with the XYZ color 76.8288, 87.8307,

65.1283.

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

76.8288, 87.8307, 65.1283

Protanopia

82.2504, 87.5203, 64.1878

Deuteranopia

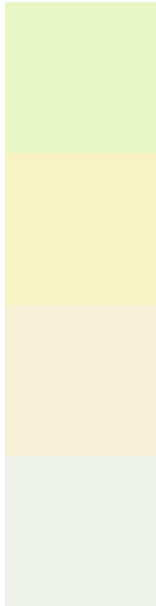
85.3893, 87.3744, 85.0375



Tritanopia

85.5345, 87.8302, 107.0525

Trichromacy



Original Color

76.8288, 87.8307, 65.1283

Protanomaly

80.2587, 87.8155, 64.3498

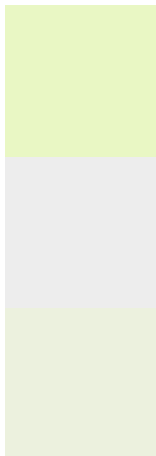
Deuteranomaly

82.2077, 87.6426, 77.5497

Tritanomaly

82.2000, 87.7955, 90.4557

Monochromacy



Original Color

76.8288, 87.8307, 65.1283

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.2322, 86.0174, 81.5343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8288, 87.8307, 65.1283 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(233, 247, 196)` looks like.

```
.text, #text, p{  
    color:rgb(233, 247, 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(233, 247, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 247, 196) }
```

Border

The CSS property to change the border of an element to XYZ 76.8288, 87.8307, 65.1283 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(233, 247, 196) }
```


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

```
.border{ border-color:rgb(233, 247, 196) }
```

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

Here you see how a box with a 4 pixel rgb(233, 247, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 247, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 247, 196);  
box-shadow:4px 4px 4px 4px rgb(233, 247,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8288, 87.8307, 65.1283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 247, 196) }
```

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

```
.background{ background-color: rgb(233,  
247, 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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