

Converting Colors

XYZ(78.9886, 82.7720, 66.4570)

Have a look what the booklet for
XYZ(78.9886, 82.7720, 66.4570)
contains.

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Color

**XYZ(78.9886, 82.7720,
66.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	FAE9C8
RGB	250, 233, 200
RGB Percent	98%, 91%, 78%
CMY	0.0196, 0.0862, 0.2157
CMYK	0.00, 0.07, 0.20, 0.02
HSL	40°, 83%, 88%
HSV	40°, 20%, 98%
XYZ	78.9886, 82.7720, 66.4570
YIQ	234.3210, 20.7250, -6.6590

Conversions

Conversions Part 2

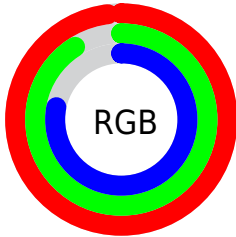
Format	Color
R_{YB}	226, 250, 200
Decimal	16443848
CIE _{Lab}	92.91, 0.63, 18.13
CIE _{LCh}	93, 18.143, 88.015
Yxy	82.7720, 0.3461, 0.3627
Android (android.graphics.Color)	4294633928 (0xFFFAE9C8)
YUV	234.3210, -16.9203, 13.7505
Hunter-Lab	90.9791, -4.2387, 20.3762

Details

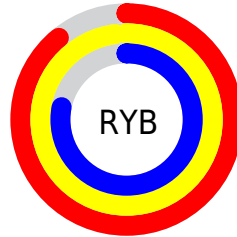
The XYZ color **78.9886, 82.7720, 66.4570** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.8872, 68.8055, 100.2512**, and the grayscale version is **78.5650, 82.6565, 90.0130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9028, 44.8571, 33.5912** is the 20% darker color. If you saturate the color by 10%, you get **73.9552, 77.0046, 51.5239**, and if you desaturate by 10%, it is **84.6200, 88.9697, 83.9484**.

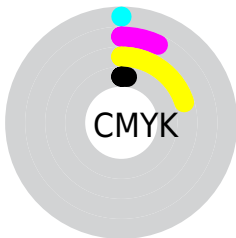
Distribution



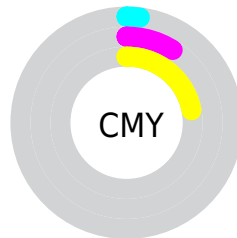
- Red (98%)
- Green (91%)
- Blue (78%)



- Red (89%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9886, 82.7720, 66.4570 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 78.9886, 82.7720, 66.4570 by changing the saturation by 10% instead.

78.9886, 82.7720,
66.4570

78.9886, 82.7720,
66.4570

480.3064,
504.2263, 466.4583

59.1920, 62.0021,
48.1847

130.9008,
137.2561, 115.7752

43.0147, 45.0344,
33.6121

163.7472,
171.7390, 147.6582

30.0912, 31.4845,
22.3208

201.6742,
211.5618, 184.9152

20.0562, 20.9681,
13.8923

245.0472,
257.1087, 227.9646

12.5444, 13.1007,
7.9079

294.2316,
308.7643, 277.2251

7.1904, 7.4979,
3.9491

349.5927,

3.6289, 3.7754,

366.9128, 333.1152

1.5975

411.4958,
431.9387, 396.0534

■ 1.4944, 1.5487,
0.2890

■ 0.3220, 0.3227,
0.0000

■ 78.9886, 82.7720,
66.4570

■ 78.9886, 82.7720,
66.4570

■ 73.9552, 77.0046,
51.5239

■ 84.6200, 88.9697,
83.9484

■ 69.4885, 71.6438,
39.0211

■ 90.8661, 95.5982,
104.1072

■ 65.5639, 66.6800,
28.8175

■ 93.2346, 99.0641,
108.8150

■ 62.1522, 62.0988,
20.7675

■ 59.2208, 57.8844,
14.7084

■ 56.7328, 54.0193,
10.4544

■ 54.6444, 50.4830,
7.7839

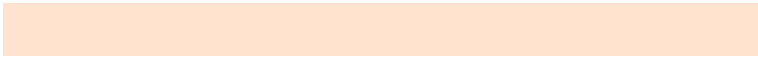
■ 52.8846, 47.2442,
6.3318

■ 52.8845, 47.2440,
6.3317

Harmonies

Analogous

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



83.6034, 82.7720, 69.7335



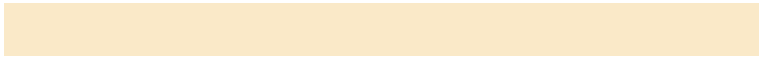
78.9886, 82.7720, 66.4570



74.4652, 82.7720, 68.9738

Triad

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



78.9886, 82.7720, 66.4570



70.8913, 82.7720, 102.9602



86.6654, 82.7720, 104.6820

Complementary

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



78.9886, 82.7720, 66.4570



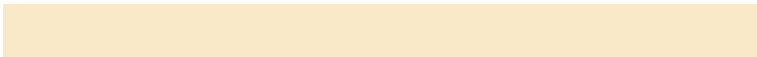
65.8872, 68.8055, 100.2512

Split Complementary

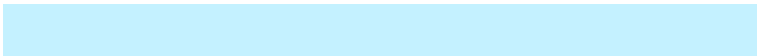
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0350, 82.7720, 115.2097



78.9886, 82.7720, 66.4570



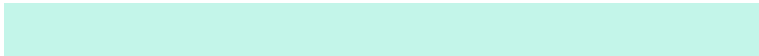
73.9390, 82.7720, 114.1474

Square

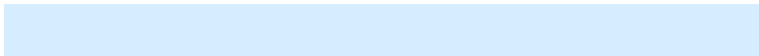
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9886, 82.7720, 66.4570



69.9039, 82.7720, 89.2230



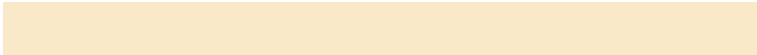
78.3569, 82.7720, 118.8342



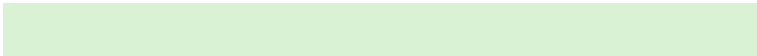
88.1449, 82.7720, 91.0323

Rectangle

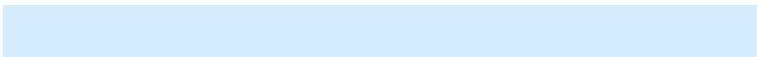
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9886, 82.7720, 66.4570



72.0850, 82.7720, 73.7552



78.3569, 82.7720, 118.8342



85.6491, 82.7720, 108.7529

Sweetspot

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



78.9908, 82.7757, 66.4587



91.0470, 95.7802, 95.8933



72.6690, 66.6694, 75.0265



19.3976, 20.4047, 20.2354



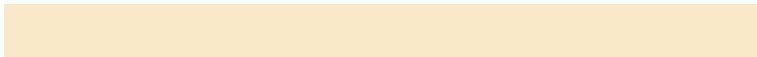
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.9908, 82.7757, 66.4587



80.4345, 84.1047, 62.9157



81.4014, 91.5078, 68.0172



18.2015, 19.1389, 18.1972



28.1902, 25.3370, 3.4047



2.7091, 2.5430, 0.3481

Inverse Universe

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



65.8872, 68.8055, 100.2512



64.4459, 67.0611, 104.1552



63.7826, 61.5493, 98.9615



16.7652, 17.6073, 21.9002



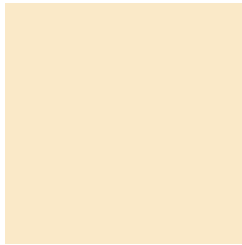
10.9940, 7.3435, 48.8115



1.1122, 0.8681, 4.5521

Previews

White Background



This preview shows how the XYZ color 78.9886, 82.7720, 66.4570 looks on a white background.

Color Contrast Check

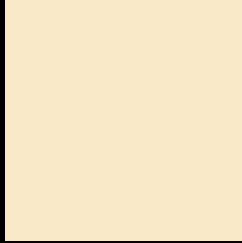
Large Text (above 18pt) WCAG AA × Fail

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 78.9886, 82.7720, 66.4570 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 78.9886, 82.7720, 66.4570

Background



This preview shows how black text looks on a background with the XYZ color 78.9886, 82.7720, 66.4570.



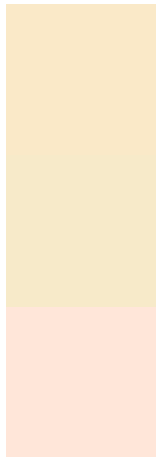
This preview shows how white text looks on a background with the XYZ color 78.9886, 82.7720,

66.4570.

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

78.9886, 82.7720, 66.4570

Protanopia

78.3232, 82.8368, 67.1194

Deuteranopia

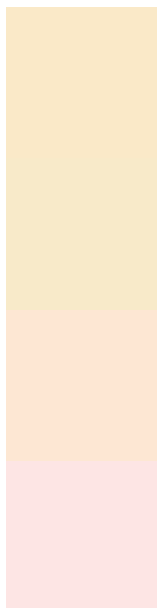
82.0612, 82.8634, 77.3148



Tritanopia

85.0382, 82.7298, 97.0744

Trichromacy



Original Color

78.9886, 82.7720, 66.4570

Protanomaly

78.6768, 83.0191, 67.1359

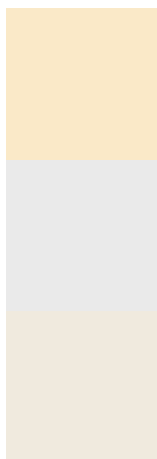
Deuteranomaly

80.8418, 82.7376, 73.3372

Tritanomaly

82.5309, 82.5227, 84.9774

Monochromacy



Original Color

78.9886, 82.7720, 66.4570

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.5428, 82.6448, 80.9196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9886, 82.7720, 66.4570 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(250, 233, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 233, 200)  
}
```

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(250, 233, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 233, 200) }
```

Border

The CSS property to change the border of an element to XYZ 78.9886, 82.7720, 66.4570 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(250, 233, 200) }
```


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

```
.border{ border-color:rgb(250, 233, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 233, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 233, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 233, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 233,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9886, 82.7720, 66.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 233, 200) }
```

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

```
.background{ background-color: rgb(250,  
233, 200) }
```

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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