

Converting Colors

XYZ(78.6500, 80.3686, 62.8364)

Have a look what the booklet for
XYZ(78.6500, 80.3686, 62.8364)
contains.

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Color

**XYZ(78.5594, 80.1383,
62.9575)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE3C3
RGB	255, 227, 195
RGB Percent	100%, 89%, 76%
CMY	0.0000, 0.1098, 0.2353
CMYK	0.00, 0.11, 0.24, 0.00
HSL	32°, 100%, 88%
HSV	32°, 24%, 100%
XYZ	78.5594, 80.1383, 62.9575
YIQ	231.7240, 26.9600, -4.0160

Conversions

Conversions Part 2

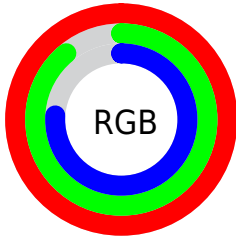
Format	Color
RYB	248, 255, 195
Decimal	16769987
CIELab	91.75, 4.81, 19.15
CIElCh	92, 19.745, 75.906
Yxy	80.1383, 0.3544, 0.3615
Android (android.graphics.Color)	4294960067 (0xFFFFE3C3)
YUV	231.7240, -18.1049, 20.4131
Hunter-Lab	89.5200, -0.0151, 20.9666

Details

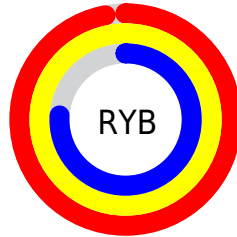
The XYZ color **78.5594, 80.1383, 62.9575** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.9426, 71.5953, 104.8988**, and the grayscale version is **76.6140, 80.6039, 87.7776**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **42.8489, 43.4339, 31.3245** is the 20% darker color. If you saturate the color by 10%, you get **72.7768, 72.7997, 47.9996**, and if you desaturate by 10%, it is **85.0633, 88.1308, 80.5868**.

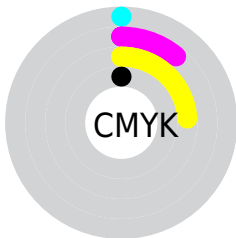
Distribution



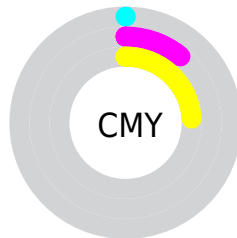
- Red (100%)
- Green (89%)
- Blue (76%)



- Red (97%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5594, 80.1383, 62.9575 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 78.5594, 80.1383, 62.9575 by changing the saturation by 10% instead.


 78.5594, 80.1383,
62.9575

 78.5594, 80.1383,
62.9575


478.8753,
495.3988, 453.5189

 58.8380, 59.8322,
45.3660

130.2996,
133.5602, 110.6932

 42.7286, 43.2834,
31.4008


163.0491,
167.4447, 141.6745

 29.8658, 30.1075,
20.6432


200.8720,
206.6241, 177.9562

 19.8843, 19.9202,
12.6748

244.1337,
251.4828, 219.9567

 12.4188, 12.3371,
7.0769

293.1996,
302.4053, 268.0948

 7.1038, 6.9737,
3.4311

348.4349,

 3.5740, 3.4456,

359.7758, 322.7888

1.3187

410.2050,
423.9789, 384.4573

■ 1.4641, 1.3686,
0.0771

■ 0.3012, 0.1934,
0.0000

■ 78.5594, 80.1383,
62.9575

■ 78.5594, 80.1383,
62.9575

■ 72.7768, 72.7997,
47.9996

■ 85.0633, 88.1308,
80.5868

■ 67.6800, 66.0853,
35.5749

■ 92.3101, 96.7845,
101.0063

■ 63.2391, 59.9784,
25.5402

95.0500, 100.0000,
108.9000

■ 59.4194, 54.4574,
17.7359

■ 56.1820, 49.4989,
11.9826

■ 53.4828, 45.0769,
8.0725

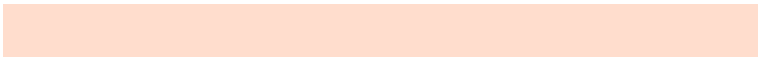
■ 51.2686, 41.1615,
5.7529

■ 50.0474, 38.8748,
4.8658

Harmonies

Analogous

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



83.1312, 80.1383, 68.7609



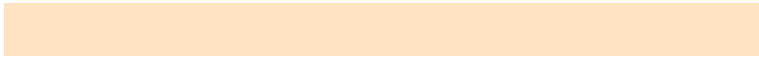
78.5594, 80.1383, 62.9575



73.5374, 80.1383, 63.1409

Triad

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



78.5594, 80.1383, 62.9575



67.2027, 80.1383, 95.1065



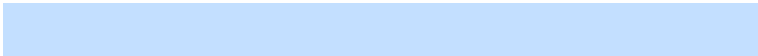
83.3617, 80.1383, 108.0848

Complementary

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



78.5594, 80.1383, 62.9575



66.9426, 71.5953, 104.8988

Split Complementary

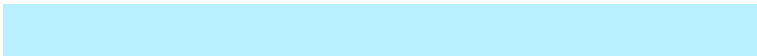
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8627, 80.1383, 116.8435



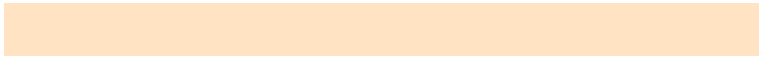
78.5594, 80.1383, 62.9575



69.6069, 80.1383, 108.8039

Square

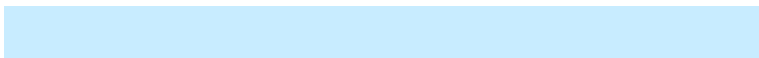
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5594, 80.1383, 62.9575



67.1296, 80.1383, 80.6554



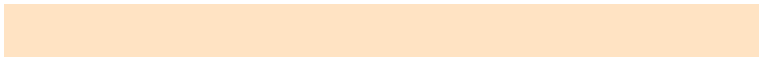
73.8277, 80.1383, 117.1204



85.9856, 80.1383, 94.2093

Rectangle

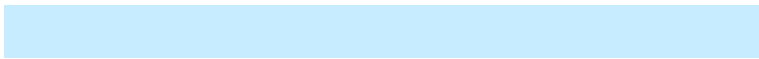
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5594, 80.1383, 62.9575



70.6124, 80.1383, 66.6051



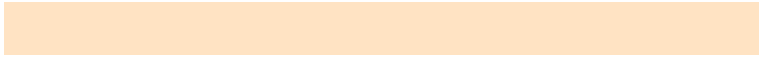
73.8277, 80.1383, 117.1204



82.0098, 80.1383, 111.7893

Sweetspot

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



78.5614, 80.1418, 62.9592



89.7084, 93.7041, 93.5943



74.0749, 65.6188, 78.5743



19.1065, 19.9437, 19.7647



0.0000, 0.0000, 0.0000



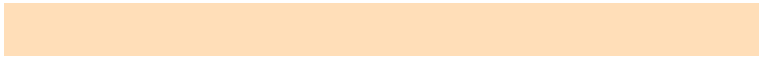
20.3446, 21.4041, 23.3091

Same Dimension

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



78.5614, 80.1418, 62.9592



75.8879, 76.7801, 55.9482



86.1186, 96.3429, 65.6880



18.8117, 19.5917, 18.9344



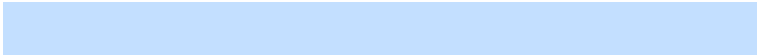
26.3019, 20.6150, 2.5928



2.6703, 2.2260, 0.2889

Inverse Universe

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



66.9426, 71.5953, 104.8988



62.5120, 66.9421, 104.2341



60.5920, 58.1216, 102.6328



17.7017, 18.7749, 22.9409



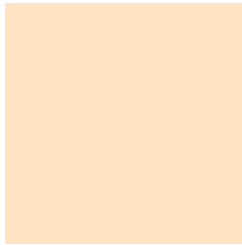
13.0233, 10.9561, 50.8629



1.3761, 1.2830, 4.9884

Previews

White Background



This preview shows how the XYZ color 78.5594, 80.1383, 62.9575 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 78.5594, 80.1383, 62.9575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

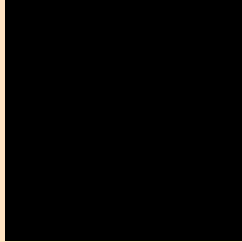
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5594, 80.1383, 62.9575

Background



This preview shows how black text looks on a background with the XYZ color 78.5594, 80.1383, 62.9575.



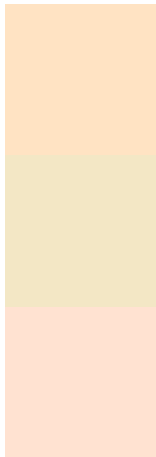
This preview shows how white text looks on a background with the XYZ color 78.5594, 80.1383,

62.9575.

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

78.5594, 80.1383, 62.9575

Protanopia

75.6161, 80.2377, 64.3254

Deuteranopia

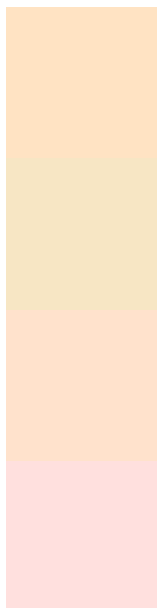
79.9450, 80.2562, 71.5990



Tritanopia

82.9137, 80.1498, 91.2212

Trichromacy



Original Color

78.5594, 80.1383, 62.9575

Protanomaly

76.6184, 80.3533, 63.6961

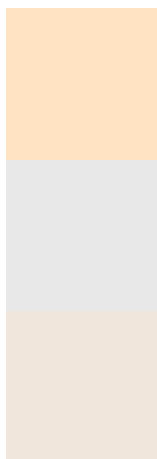
Deuteranomaly

79.3354, 80.0123, 68.3892

Tritanomaly

81.0805, 79.8452, 80.2455

Monochromacy



Original Color

78.5594, 80.1383, 62.9575

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.0182, 80.2334, 78.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5594, 80.1383, 62.9575 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(255, 227, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 195)  
}
```

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(255, 227, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 195) }
```

Border

The CSS property to change the border of an element to XYZ 78.5594, 80.1383, 62.9575 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(255, 227, 195) }
```


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

```
.border{ border-color:rgb(255, 227, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5594, 80.1383, 62.9575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 195) }
```

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

```
.background{ background-color: rgb(255,  
227, 195) }
```

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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