

Converting Colors

XYZ(84.9157, 88.3632, 78.9108)

Have a look what the booklet for
XYZ(84.9157, 88.3632, 78.9108)
contains.

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Color

**XYZ(85.0550, 88.6421,
78.9564)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0DA
RGB	255, 240, 218
RGB Percent	100%, 94%, 85%
CMY	0.0000, 0.0588, 0.1451
CMYK	0.00, 0.06, 0.15, 0.00
HSL	36°, 100%, 93%
HSV	36°, 15%, 100%
XYZ	85.0550, 88.6421, 78.9564
YIQ	241.9770, 16.0020, -3.6620

Conversions

Conversions Part 2

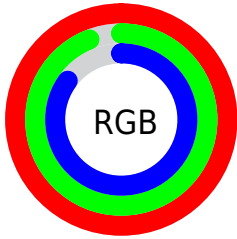
Format	Color
R_{YB}	243, 255, 218
Decimal	16773338
CIE _{Lab}	95.43, 1.52, 12.44
CIE _{LCh}	95, 12.532, 83.025
Yxy	88.6421, 0.3366, 0.3508
Android (android.graphics.Color)	4294963418 (0xFFFFF0DA)
YUV	241.9770, -11.8207, 11.4212
Hunter-Lab	94.1499, -3.5056, 16.1829

Details

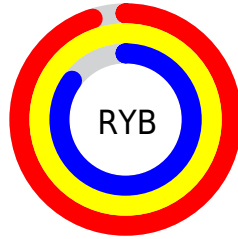
The XYZ color **85.0550, 88.6421, 78.9564** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1017, 80.4011, 106.1157**, and the grayscale version is **84.4634, 88.8621, 96.7708**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0401, 48.9311, 41.6157** is the 20% darker color. If you saturate the color by 10%, you get **79.0158, 81.4993, 61.7275**, and if you desaturate by 10%, it is **91.7850, 96.3443, 98.9506**.

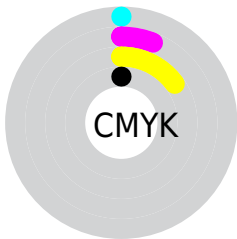
Distribution



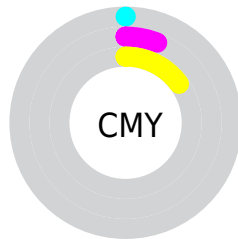
- Red (100%)
- Green (94%)
- Blue (85%)



- Red (95%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0550, 88.6421, 78.9564 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 85.0550, 88.6421, 78.9564 by changing the saturation by 10% instead.


 85.0550, 88.6421,
78.9564

 85.0550, 88.6421,
78.9564


500.2910,
523.6037, 511.0226

 64.2095, 66.8550,
58.3389

139.3636,
145.4508, 133.6956

 47.0827, 48.9668,
41.6646


173.5575,
181.2411, 168.6543

 33.3092, 34.5931,
28.5152

212.9315,
222.4679, 209.2305

 22.5238, 23.3496,
18.4719

257.8509,
269.5157, 255.8427

 14.3610, 14.8519,
11.1164

308.6813,
322.7687, 308.9095

 8.4556, 8.7155,
6.0300

365.7878,

 4.4421, 4.5561,

382.6115, 368.8494

2.7943

429.5359,
449.4283, 436.0809

■ 1.9551, 1.9892,
0.9906

■ 0.6086, 0.6012,
0.0000

■ 85.0550, 88.6421,
78.9564

■ 85.0550, 88.6421,
78.9564

■ 79.0158, 81.4993,
61.7275

■ 91.7850, 96.3443,
98.9506

■ 73.6350, 74.8896,
47.1342

95.0500, 100.0000,
108.9000

■ 68.8865, 68.8008,
35.0447

■ 64.7400, 63.2160,
25.3133

■ 61.1619, 58.1167,
17.7793

■ 58.1149, 53.4830,
12.2616

■ 55.5559, 49.2924,
8.5496

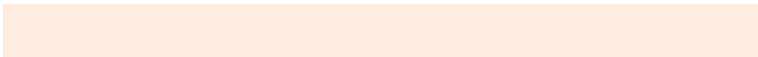
■ 53.4327, 45.5185,
6.3853

■ 52.4129, 43.6059,
5.6543

Harmonies

Analogous

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



88.2808, 88.6421, 82.1998



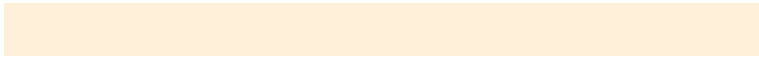
85.0550, 88.6421, 78.9564



81.6984, 88.6421, 80.1564

Triad

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



85.0550, 88.6421, 78.9564



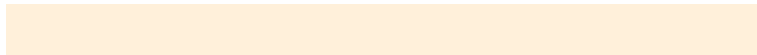
78.3268, 88.6421, 104.0938



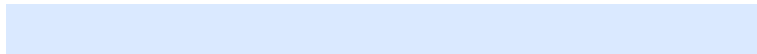
89.6309, 88.6421, 108.3276

Complementary

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



85.0550, 88.6421, 78.9564



76.1017, 80.4011, 106.1157

Split Complementary

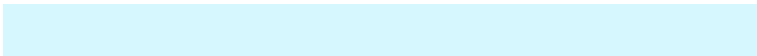
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8576, 88.6421, 114.9630



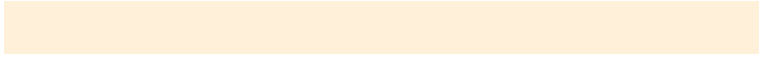
85.0550, 88.6421, 78.9564



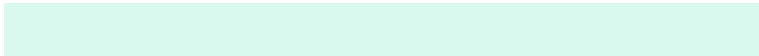
80.3470, 88.6421, 112.4052

Square

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



85.0550, 88.6421, 78.9564



77.8737, 88.6421, 94.2409



83.4534, 88.6421, 116.5036



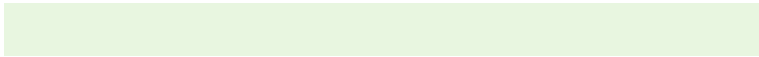
90.9687, 88.6421, 98.8278

Rectangle

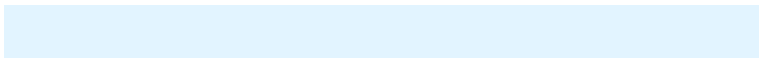
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0550, 88.6421, 78.9564



79.8315, 88.6421, 83.3567



83.4534, 88.6421, 116.5036



88.8321, 88.6421, 110.9926

Sweetspot

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



85.0570, 88.6458, 78.9583



92.1463, 96.7512, 100.0444



81.0796, 77.3108, 88.0532



19.6090, 20.5802, 21.0682



0.0000, 0.0000, 0.0000



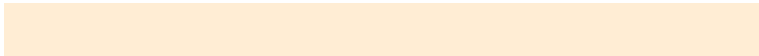
20.3446, 21.4041, 23.3091

Same Dimension

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



85.0570, 88.6458, 78.9583



83.4890, 86.8147, 74.4127



88.5299, 97.2620, 80.4383



18.9077, 19.7835, 18.9664



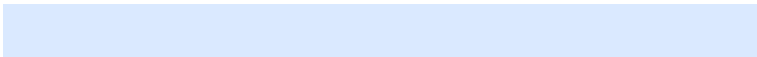
27.5373, 23.0858, 3.0046



2.7885, 2.4624, 0.3283

Inverse Universe

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



76.1017, 80.4011, 106.1157



73.1803, 77.3244, 105.6758



72.9665, 72.7492, 104.8040



17.6073, 18.5863, 22.9095



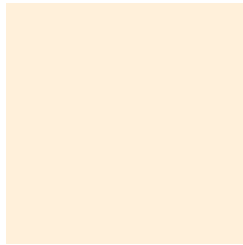
12.1209, 9.1514, 50.5621



1.2841, 1.0988, 4.9577

Previews

White Background



This preview shows how the XYZ color 85.0550, 88.6421, 78.9564 looks on a white background.

Color Contrast Check

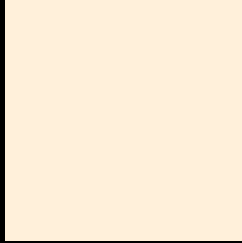
Large Text (above 18pt) WCAG AA × Fail

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 85.0550, 88.6421, 78.9564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

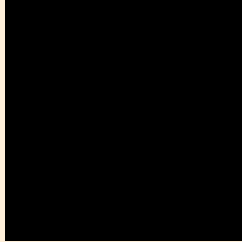
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0550, 88.6421, 78.9564

Background



This preview shows how black text looks on a background with the XYZ color 85.0550, 88.6421, 78.9564.



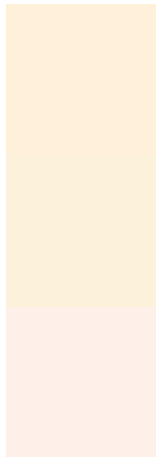
This preview shows how white text looks on a background with the XYZ color 85.0550, 88.6421,

78.9564.

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

85.0550, 88.6421, 78.9564

Protanopia

84.3864, 88.7205, 79.6950

Deuteranopia

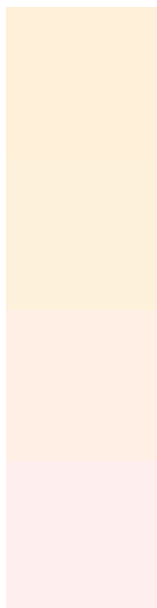
86.8145, 88.8762, 89.6700



Tritanopia

88.7795, 88.7305, 102.8900

Trichromacy



Original Color

85.0550, 88.6421, 78.9564

Protanomaly

84.7495, 88.9077, 79.7120

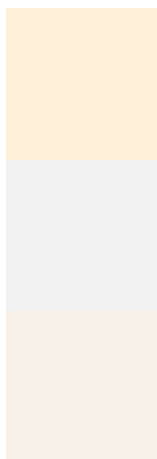
Deuteranomaly

86.1101, 88.5944, 85.9607

Tritanomaly

87.2472, 88.5821, 93.3886

Monochromacy



Original Color

85.0550, 88.6421, 78.9564

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.5210, 88.5679, 89.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0550, 88.6421, 78.9564 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, 240, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 218)  
}
```

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, 240, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 218) }
```

Border

The CSS property to change the border of an element to XYZ 85.0550, 88.6421, 78.9564 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, 240, 218) }
```


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

```
.border{ border-color:rgb(255, 240, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0550, 88.6421, 78.9564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 218) }
```

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

```
.background{ background-color: rgb(255,  
240, 218) }
```

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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