

Converting Colors

XYZ(86.7151, 86.3390, 76.8520)

Have a look what the booklet for
XYZ(86.7151, 86.3390, 76.8520)
contains.

XYZ(82.7736, 84.4957, 76.9124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.7736, 84.4957,
76.9124)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9D8
RGB	255, 233, 216
RGB Percent	100%, 91%, 85%
CMY	0.0000, 0.0863, 0.1529
CMYK	0.00, 0.09, 0.15, 0.00
HSL	26°, 100%, 92%
HSV	26°, 15%, 100%
XYZ	82.7736, 84.4957, 76.9124
YIQ	237.6400, 18.5690, -0.6230

Conversions

Conversions Part 2

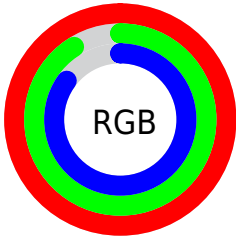
Format	Color
R _Y B	255, 246, 216
Decimal	16771544
CIE Lab	93.67, 4.78, 10.96
CIE LCh	94, 11.958, 66.420
Yxy	84.4957, 0.3390, 0.3460
Android (android.graphics.Color)	4294961624 (0xFFFFE9D8)
YUV	237.6400, -10.6685, 15.2247
Hunter-Lab	91.9215, -0.1268, 14.7361

Details

The XYZ color **82.7736, 84.4957, 76.9124** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.9427, 82.9657, 106.5664**, and the grayscale version is **81.0612, 85.2827, 92.8729**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4439, 46.0233, 40.2064** is the 20% darker color. If you saturate the color by 10%, you get **75.8230, 75.4673, 59.5735**, and if you desaturate by 10%, it is **90.5716, 94.3996, 97.0599**.

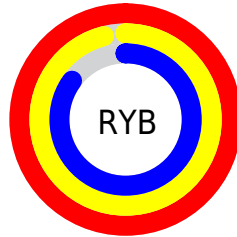
Distribution



Red (100%)

Green (91%)

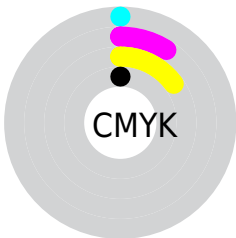
Blue (85%)



Red (100%)

Yellow (96%)

Blue (85%)

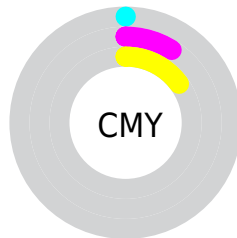


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.7736, 84.4957, 76.9124 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 82.7736, 84.4957, 76.9124 by changing the saturation by 10% instead.

 82.7736, 84.4957,
76.9124

 82.7736, 84.4957,
76.9124


492.8270,
509.9579, 503.8950

 62.3197, 63.4248,
56.6698


136.1885,
139.6684, 130.7877

 45.5476, 46.1849,
40.3326


169.8802,
174.5389, 165.2575

 32.0921, 32.3918,
27.4822


208.7152,
214.7781, 205.3069

 21.5878, 21.6609,
17.7001

253.0588,
260.7704, 251.3542

 13.6692, 13.6080,
10.5677

303.2765,
312.9001, 303.8182

 7.9711, 7.8485,
5.6664

359.7335,

 4.1281, 3.9982,

371.5516, 363.1173

2.5779

422.7952,
437.1094, 429.6701

■ 1.7749, 1.6725,
0.8810

■ 0.5025, 0.4058,
0.0000

■ 82.7736, 84.4957,
76.9124

■ 82.7736, 84.4957,
76.9124

■ 75.8230, 75.4673,
59.5735

■ 90.5716, 94.3996,
97.0599

■ 69.6825, 67.2784,
44.9115

95.0500, 100.0000,
108.9000

■ 64.3207, 59.9062,
32.7917

■ 59.7012, 53.3226,
23.0658

■ 55.7847, 47.4977,
15.5697

■ 52.5273, 42.3990,
10.1182

■ 49.8790, 37.9910,
6.4959

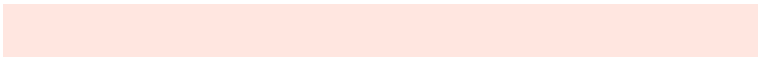
■ 47.7797, 34.2332,
4.4373

■ 46.9450, 32.6699,
3.8317

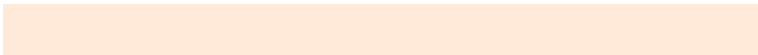
Harmonies

Analogous

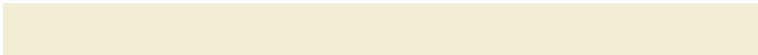
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3158, 84.4957, 82.0221



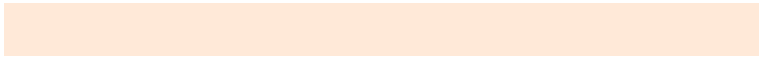
82.7736, 84.4957, 76.9124



79.6310, 84.4957, 75.7223

Triad

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



82.7736, 84.4957, 76.9124



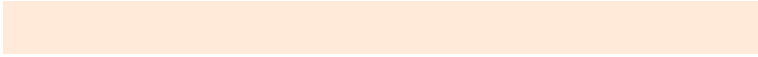
74.4047, 84.4957, 93.9672



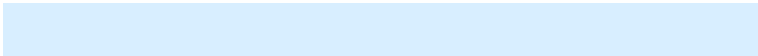
83.9839, 84.4957, 106.7750

Complementary

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



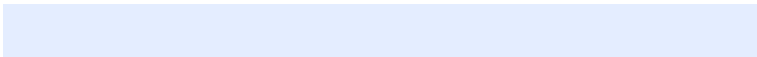
82.7736, 84.4957, 76.9124



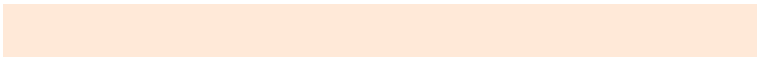
76.9427, 82.9657, 106.5664

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.



80.9941, 84.4957, 110.4610



82.7736, 84.4957, 76.9124



75.5051, 84.4957, 102.7591

Square

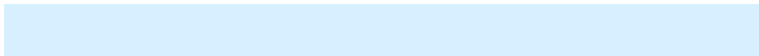
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7736, 84.4957, 76.9124



74.8529, 84.4957, 85.1938



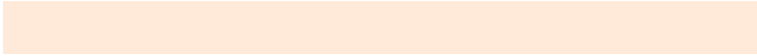
77.8970, 84.4957, 108.9452



86.0274, 84.4957, 99.1625

Rectangle

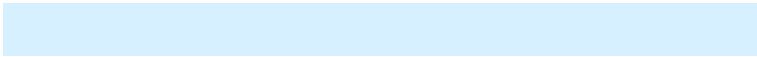
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7736, 84.4957, 76.9124



77.6290, 84.4957, 77.2374



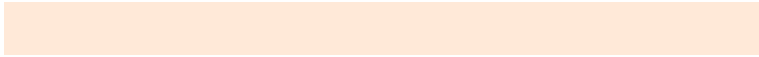
77.8970, 84.4957, 108.9452



83.0533, 84.4957, 108.5364

Sweetspot

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



82.7756, 84.4993, 76.9142



90.8134, 94.7035, 97.6946



81.2437, 76.5516, 91.4605



19.3141, 20.1150, 20.5862



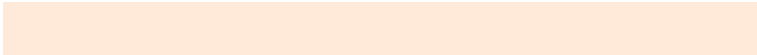
0.0000, 0.0000, 0.0000



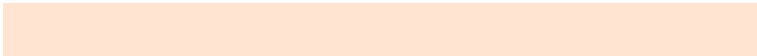
20.3446, 21.4041, 23.3091

Same Dimension

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



82.7756, 84.4993, 76.9142



80.8118, 81.9700, 71.9491



88.5711, 96.0903, 78.8460



18.6609, 19.2901, 18.8841



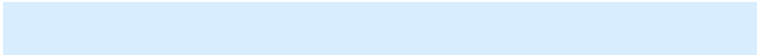
24.6720, 17.3553, 2.0496



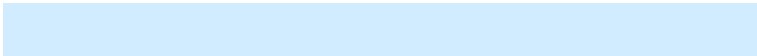
2.5086, 1.9025, 0.2350

Inverse Universe

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



76.9427, 82.9657, 106.5664



74.0772, 80.1986, 106.1833



71.5971, 72.2746, 104.7846



17.8531, 19.0778, 22.9914



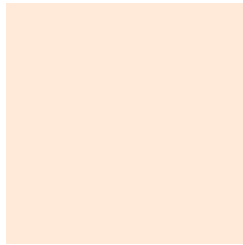
14.7792, 14.4680, 51.4482



1.5478, 1.6262, 5.0456

Previews

White Background



This preview shows how the XYZ color 82.7736, 84.4957, 76.9124 looks on a white background.

Color Contrast Check

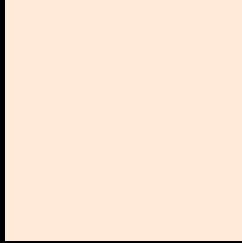
Large Text (above 18pt) WCAG AA × Fail

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 82.7736, 84.4957, 76.9124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

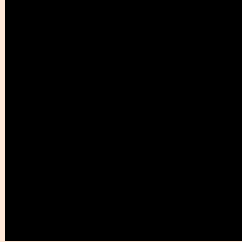
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7736, 84.4957, 76.9124

Background



This preview shows how black text looks on a background with the XYZ color 82.7736, 84.4957, 76.9124.



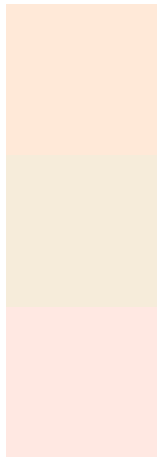
This preview shows how white text looks on a background with the XYZ color 82.7736, 84.4957,

76.9124.

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

82.7736, 84.4957, 76.9124

Protanopia

80.6564, 84.6457, 78.4169

Deuteranopia

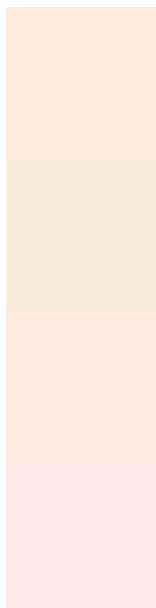
83.8241, 84.4642, 83.8367



Tritanopia

86.0182, 84.4462, 98.1523

Trichromacy



Original Color

82.7736, 84.4957, 76.9124

Protanomaly

81.2996, 84.5662, 77.6836

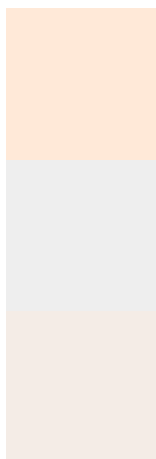
Deuteranomaly

83.2814, 84.2472, 80.9792

Tritanomaly

84.6672, 84.3523, 89.6611

Monochromacy



Original Color

82.7736, 84.4957, 76.9124

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.5866, 84.9372, 86.9573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7736, 84.4957, 76.9124 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, 233, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 216)  
}
```

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, 233, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 216) }
```

Border

The CSS property to change the border of an element to XYZ 82.7736, 84.4957, 76.9124 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, 233, 216) }
```


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

```
.border{ border-color:rgb(255, 233, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7736, 84.4957, 76.9124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 216) }
```

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

```
.background{ background-color: rgb(255,  
233, 216) }
```

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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