

Converting Colors

XYZ(81.8348, 82.6177, 76.6008)

Have a look what the booklet for XYZ(81.8348, 82.6177, 76.6008) contains.

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Color

**XYZ(81.9315, 82.8115,
76.6317)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6D8
RGB	255, 230, 216
RGB Percent	100%, 90%, 85%
CMY	0.0000, 0.0980, 0.1529
CMYK	0.00, 0.10, 0.15, 0.00
HSL	22°, 100%, 92%
HSV	22°, 15%, 100%
XYZ	81.9315, 82.8115, 76.6317
YIQ	235.8790, 19.3940, 0.9460

Conversions

Conversions Part 2

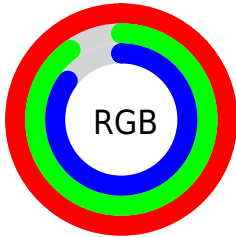
Format	Color
R _Y B	255, 238, 216
Decimal	16770776
CIE Lab	92.93, 6.32, 9.91
CIE LCh	93, 11.756, 57.476
Yxy	82.8115, 0.3394, 0.3431
Android (android.graphics.Color)	4294960856 (0xFFFFE6D8)
YUV	235.8790, -9.8003, 16.7691
Hunter-Lab	91.0008, 1.4589, 13.7725

Details

The XYZ color **81.9315, 82.8115, 76.6317** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8234, 84.7271, 106.8600**, and the grayscale version is **79.7002, 83.8508, 91.3135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0517, 45.2389, 40.0757** is the 20% darker color. If you saturate the color by 10%, you get **74.5507, 72.9226, 59.1494**, and if you desaturate by 10%, it is **90.2543, 93.7649, 96.9541**.

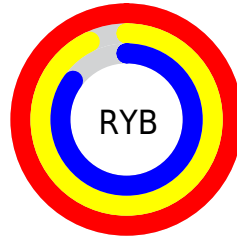
Distribution



Red (100%)

Green (90%)

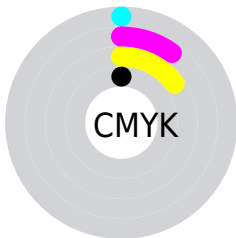
Blue (85%)



Red (100%)

Yellow (93%)

Blue (85%)

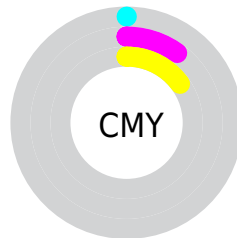


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9315, 82.8115, 76.6317 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 81.9315, 82.8115, 76.6317 by changing the saturation by 10% instead.


 81.9315, 82.8115,
76.6317

 81.9315, 82.8115,
76.6317


490.0565,
504.3581, 502.9117

 61.6230, 62.0347,
56.4409

135.0143,
137.3114, 130.3877

 44.9826, 45.0607,
40.1502


168.5192,
171.8033, 164.7900

 31.6449, 31.5052,
27.3410


207.1537,
211.6356, 204.7665

 21.2447, 20.9839,
17.5948

251.2831,
257.1928, 250.7358

 13.4164, 13.1122,
10.4930

301.2727,
308.8593, 303.1165

 7.7949, 7.5059,
5.6172

357.4879,

 4.0147, 3.7804,

367.0194, 362.3269

2.5487

420.2940,
432.0575, 428.7858

■ 1.7104, 1.5515,
0.8658

■ 0.4628, 0.3246,
0.0000

■ 81.9315, 82.8115,
76.6317

■ 81.9315, 82.8115,
76.6317

■ 74.5507, 72.9226,
59.1494

■ 90.2543, 93.7649,
96.9541

■ 68.0708, 64.0549,
44.3742

95.0500, 100.0000,
108.9000

■ 62.4563, 56.1775,
32.1703

■ 57.6667, 49.2537,
22.3876

■ 53.6581, 43.2445,
14.8608

■ 50.3816, 38.1077,
9.4030

■ 47.7820, 33.7970,
5.7969

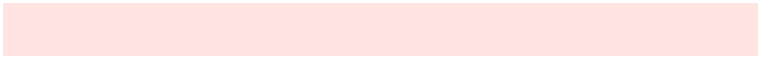
■ 45.7932, 30.2602,
3.7751

■ 45.0301, 28.8403,
3.1934

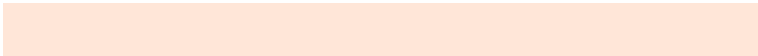
Harmonies

Analogous

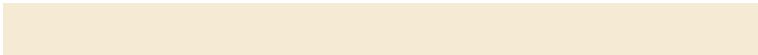
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0724, 82.8115, 82.5793



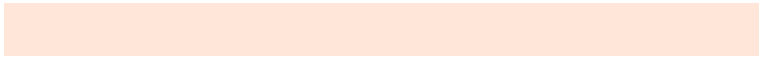
81.9315, 82.8115, 76.6317



78.9705, 82.8115, 74.2881

Triad

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



81.9315, 82.8115, 76.6317



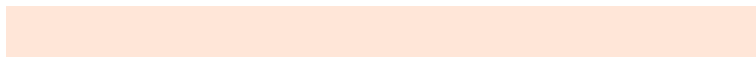
72.9500, 82.8115, 89.4239



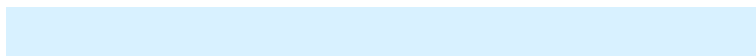
81.4691, 82.8115, 106.0392

Complementary

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



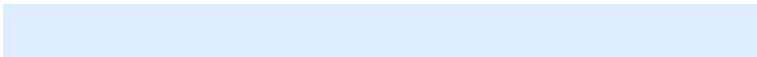
81.9315, 82.8115, 76.6317



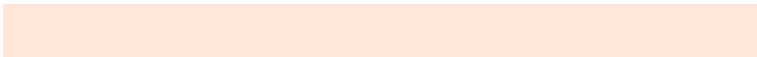
77.8234, 84.7271, 106.8600

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.



78.4497, 82.8115, 108.1627



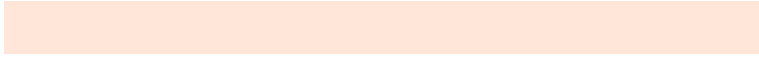
81.9315, 82.8115, 76.6317



73.5803, 82.8115, 98.2072

Square

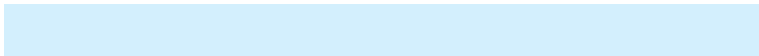
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9315, 82.8115, 76.6317



73.8295, 82.8115, 81.3671



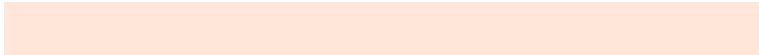
75.5738, 82.8115, 105.2105



83.8006, 82.8115, 99.5809

Rectangle

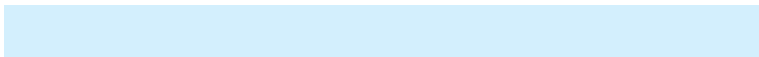
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9315, 82.8115, 76.6317



76.9478, 82.8115, 74.9625



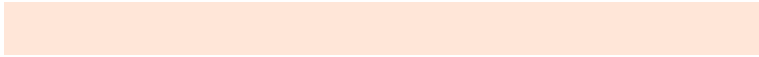
75.5738, 82.8115, 105.2105



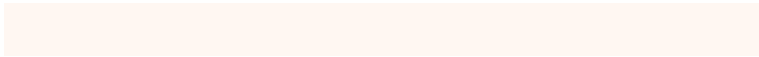
80.4986, 82.8115, 107.3013

Sweetspot

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



81.9334, 82.8150, 76.6334



90.5130, 94.1026, 97.5945



81.7259, 76.7444, 93.9997



19.2412, 19.9691, 20.5619



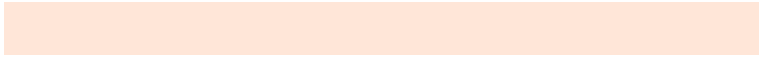
0.0000, 0.0000, 0.0000



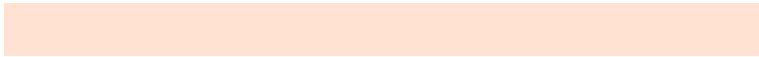
20.3446, 21.4041, 23.3091

Same Dimension

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



81.9334, 82.8150, 76.6334



79.8441, 80.0345, 71.6265



87.5570, 94.0622, 78.5080



18.5432, 19.0546, 18.8449



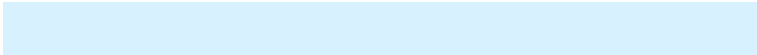
23.6572, 15.3256, 1.7113



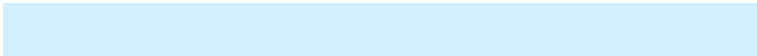
2.4024, 1.6902, 0.1996

Inverse Universe

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



77.8234, 84.7271, 106.8600



75.0981, 82.2405, 106.5237



72.4512, 73.9829, 105.0693



17.9741, 19.3197, 23.0317



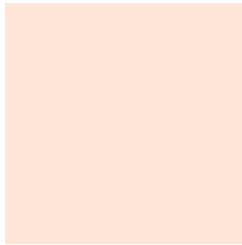
16.4614, 17.8324, 52.0090



1.7063, 1.9433, 5.0984

Previews

White Background



This preview shows how the XYZ color 81.9315, 82.8115, 76.6317 looks on a white background.

Color Contrast Check

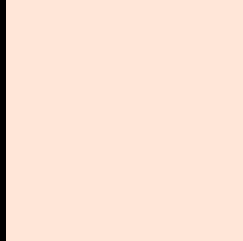
Large Text (above 18pt) WCAG AA × Fail

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 81.9315, 82.8115, 76.6317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

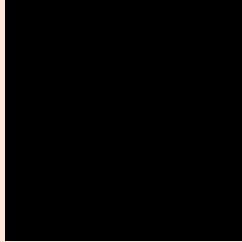
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9315, 82.8115, 76.6317

Background



This preview shows how black text looks on a background with the XYZ color 81.9315, 82.8115, 76.6317.

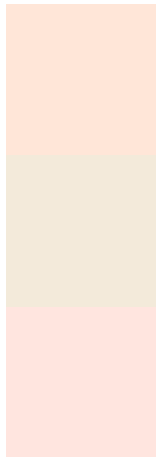


This preview shows how white text looks on a background with the XYZ color 81.9315, 82.8115,

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

81.9315, 82.8115, 76.6317

Protanopia

79.0399, 82.9623, 78.1771

Deuteranopia

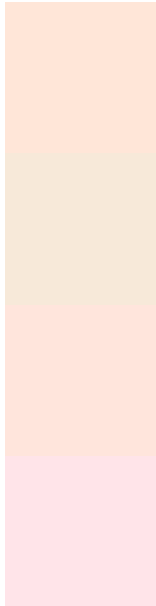
82.5786, 82.6263, 81.4082



Tritanopia

84.7361, 82.6090, 95.4835

Trichromacy



Original Color

81.9315, 82.8115, 76.6317

Protanomaly

80.0211, 83.0617, 77.4606

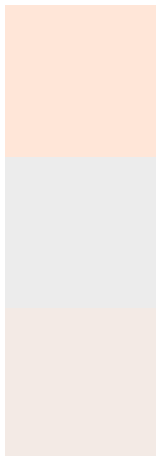
Deuteranomaly

82.1776, 82.4659, 79.2964

Tritanomaly

83.6914, 82.6300, 88.6290

Monochromacy



Original Color

81.9315, 82.8115, 76.6317

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.5278, 83.5575, 86.0127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9315, 82.8115, 76.6317 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, 230, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 216) }
```

Border

The CSS property to change the border of an element to XYZ 81.9315, 82.8115, 76.6317 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, 230, 216) }
```


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

```
.border{ border-color:rgb(255, 230, 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, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9315, 82.8115, 76.6317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 216) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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