

Converting Colors

XYZ(116.8350, 100.0000,
80.7750)

Have a look what the booklet for
XYZ(116.8350, 100.0000, 80.7750)
contains.

XYZ(81.9017, 81.9141, 79.2045)	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(81.9017, 81.9141,
79.2045)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4DC
RGB	255, 228, 220
RGB Percent	100%, 89%, 86%
CMY	0.0000, 0.1059, 0.1372
CMYK	0.00, 0.11, 0.14, 0.00
HSL	14°, 100%, 93%
HSV	14°, 14%, 100%
XYZ	81.9017, 81.9141, 79.2045
YIQ	235.1610, 18.6600, 3.2360

Conversions

Conversions Part 2

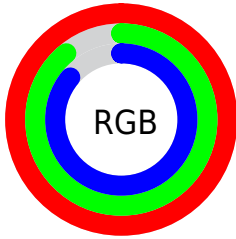
Format	Color
R _Y B	255, 230, 220
Decimal	16770268
CIE Lab	92.54, 7.97, 7.26
CIE LCh	93, 10.779, 42.357
Yxy	81.9141, 0.3370, 0.3371
Android (android.graphics.Color)	4294960348 (0xFFFFE4DC)
YUV	235.1610, -7.4744, 17.3988
Hunter-Lab	90.5064, 3.1433, 11.4683

Details

The XYZ color **81.9017, 81.9141, 79.2045** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.8251, 88.9548, 107.5178**, and the grayscale version is **79.1351, 83.2563, 90.6661**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0238, 44.6095, 41.8348** is the 20% darker color. If you saturate the color by 10%, you get **73.6725, 70.4544, 61.0510**, and if you desaturate by 10%, it is **91.2654, 94.8178, 100.2798**.

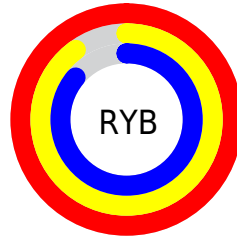
Distribution



Red (100%)

Green (89%)

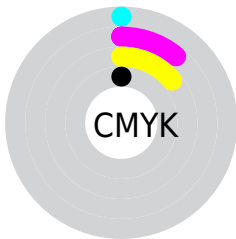
Blue (86%)



Red (100%)

Yellow (90%)

Blue (86%)

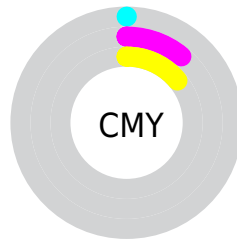


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9017, 81.9141, 79.2045 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 81.9017, 81.9141, 79.2045 by changing the saturation by 10% instead.


 81.9017, 81.9141,
79.2045

 81.9017, 81.9141,
79.2045


489.9583,
501.3603, 511.8838

 61.5983, 61.2947,
58.5417


134.9727,
136.0535, 134.0480

 44.9626, 44.4631,
41.8267


168.4710,
170.3424, 169.0657

 31.6291, 31.0347,
28.6410


207.0984,
209.9565, 209.7055

 21.2325, 20.6253,
18.5662

251.2202,
255.2803, 256.3858

 13.4075, 12.8504,
11.1836

301.2017,
306.6982, 309.5253

 7.7887, 7.3256,
6.0748

357.4083,

 4.0107, 3.6665,

364.5946, 369.5424

2.8211

420.2054,
429.3538, 436.8557

■ 1.7082, 1.4888,
1.0040

■ 0.4614, 0.2809,
0.0000

■ 81.9017, 81.9141,
79.2045

■ 81.9017, 81.9141,
79.2045

■ 73.6725, 70.4544,
61.0510

■ 91.2654, 94.8178,
100.2798

■ 66.5283, 60.3781,
45.6847

95.0500, 100.0000,
108.9000

■ 60.4244, 51.6352,
32.9682

■ 55.3105, 44.1689,
22.7503

■ 51.1321, 37.9181,
14.8646

■ 47.8289, 32.8168,
9.1239

■ 45.3331, 28.7918,
5.3121

■ 43.5654, 25.7611,
3.1665

■ 42.7693, 24.3185,
2.4398

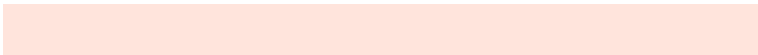
Harmonies

Analogous

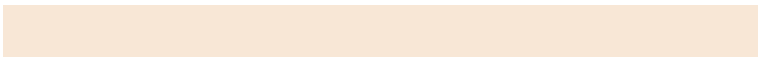
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2329, 81.9141, 85.9329



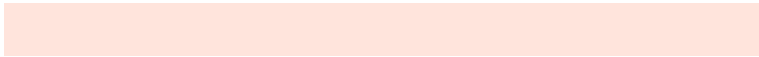
81.9017, 81.9141, 79.2045



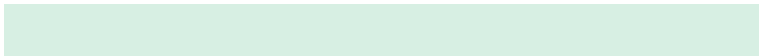
79.4994, 81.9141, 75.2948

Triad

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



81.9017, 81.9141, 79.2045



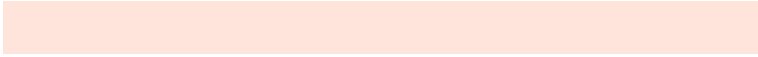
72.8403, 81.9141, 84.6003



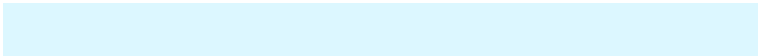
79.0142, 81.9141, 105.1086

Complementary

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



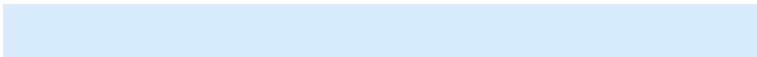
81.9017, 81.9141, 79.2045



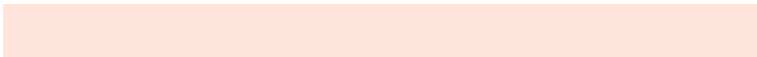
80.8251, 88.9548, 107.5178

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.



76.2372, 81.9141, 104.6986



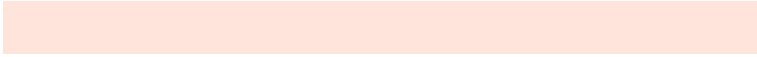
81.9017, 81.9141, 79.2045



72.7175, 81.9141, 92.5295

Square

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



81.9017, 81.9141, 79.2045



74.2872, 81.9141, 78.2794



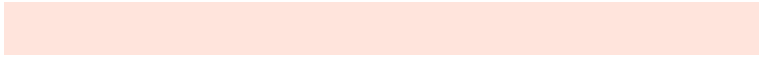
73.9475, 81.9141, 99.9825



81.5392, 81.9141, 101.0712

Rectangle

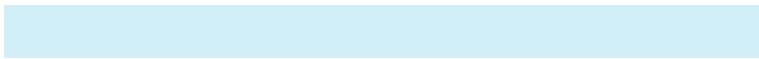
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



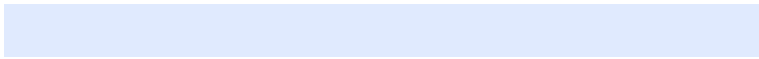
81.9017, 81.9141, 79.2045



77.6358, 81.9141, 74.6607



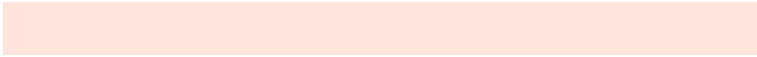
73.9475, 81.9141, 99.9825



78.0784, 81.9141, 105.4928

Sweetspot

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



81.9036, 81.9175, 79.2062



90.9923, 94.4432, 99.6597



83.6866, 79.1885, 99.2076



19.3173, 19.9967, 20.9710



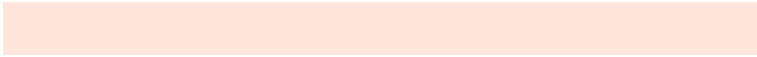
0.0000, 0.0000, 0.0000



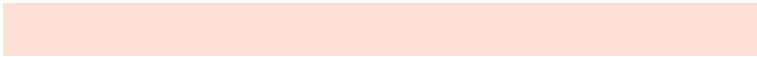
20.3446, 21.4041, 23.3091

Same Dimension

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



81.9036, 81.9175, 79.2062



79.9330, 79.1850, 74.8236



86.8363, 91.7829, 80.8505



18.3464, 18.6609, 18.7793



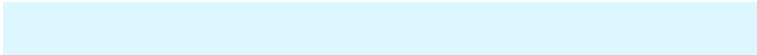
22.4398, 12.8909, 1.3055



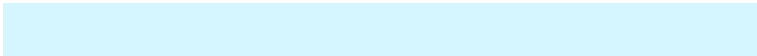
2.2631, 1.4115, 0.1532

Inverse Universe

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



80.8251, 88.9548, 107.5178



78.6951, 87.2564, 107.3022



75.8397, 78.9838, 105.8560



18.1819, 19.7354, 23.1010



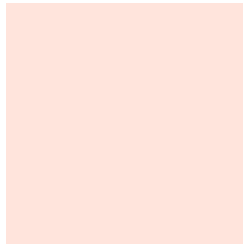
19.9447, 24.7989, 53.1701



2.0237, 2.5782, 5.2042

Previews

White Background



This preview shows how the XYZ color 81.9017, 81.9141, 79.2045 looks on a white background.

Color Contrast Check

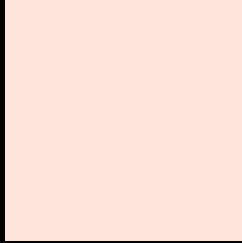
Large Text (above 18pt) WCAG AA × Fail

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 81.9017, 81.9141, 79.2045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

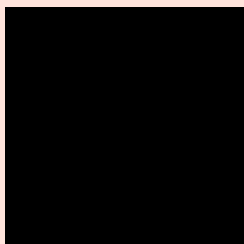
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

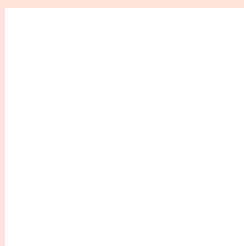
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9017, 81.9141, 79.2045

Background



This preview shows how black text looks on a background with the XYZ color 81.9017, 81.9141, 79.2045.

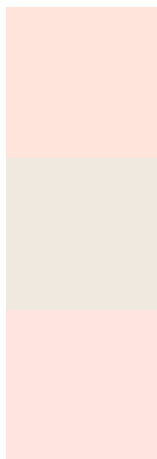


This preview shows how white text looks on a background with the XYZ color 81.9017, 81.9141,

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

81.9017, 81.9141, 79.2045

Protanopia

78.3934, 82.1308, 81.5331

Deuteranopia

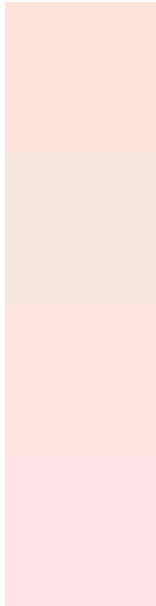
82.4379, 82.1286, 82.0285



Tritanopia

84.3135, 82.0036, 94.6036

Trichromacy



Original Color

81.9017, 81.9141, 79.2045

Protanomaly

79.4169, 81.8382, 80.7179

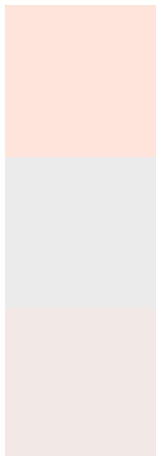
Deuteranomaly

82.3027, 82.0745, 81.3162

Tritanomaly

83.4171, 82.0814, 88.5375

Monochromacy



Original Color

81.9017, 81.9141, 79.2045

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.7575, 82.3036, 86.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9017, 81.9141, 79.2045 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, 228, 220) looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 220)  
}
```

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, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 220) }
```

Border

The CSS property to change the border of an element to XYZ 81.9017, 81.9141, 79.2045 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, 228, 220) }
```


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

```
.border{ border-color:rgb(255, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9017, 81.9141, 79.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 220) }
```

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

```
.background{ background-color: rgb(255,  
228, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor