

Converting Colors

XYZ(81.2351, 82.8167, 72.0902)

Have a look what the booklet for
XYZ(81.2351, 82.8167, 72.0902)
contains.

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Color

**XYZ(81.3245, 83.0153,
72.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7D1
RGB	255, 231, 209
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0941, 0.1804
CMYK	0.00, 0.09, 0.18, 0.00
HSL	29°, 100%, 91%
HSV	29°, 18%, 100%
XYZ	81.3245, 83.0153, 72.0589
YIQ	235.6680, 21.3660, -1.7540

Conversions

Conversions Part 2

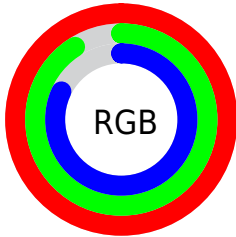
Format	Color
R_{YB}	255, 251, 209
Decimal	16771025
CIE _{Lab}	93.02, 4.76, 13.68
CIE _{LCh}	93, 14.481, 70.820
Yxy	83.0153, 0.3440, 0.3512
Android (android.graphics.Color)	4294961105 (0xFFFFE7D1)
YUV	235.6680, -13.1473, 16.9542
Hunter-Lab	91.1127, -0.1235, 16.8879

Details

The XYZ color **81.3245, 83.0153, 72.0589** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.4826, 79.0508, 105.9931**, and the grayscale version is **79.5626, 83.7060, 91.1559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5351, 45.0323, 37.3552** is the 20% darker color. If you saturate the color by 10%, you get **74.8345, 74.6898, 55.5464**, and if you desaturate by 10%, it is **88.6068, 92.1161, 91.3305**.

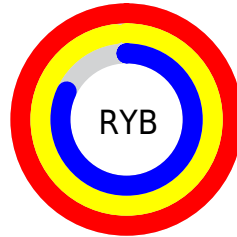
Distribution



Red (100%)

Green (91%)

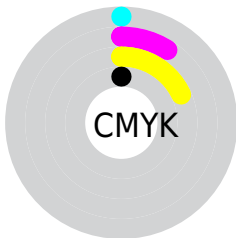
Blue (82%)



Red (100%)

Yellow (98%)

Blue (82%)

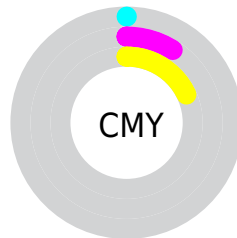


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3245, 83.0153, 72.0589 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 81.3245, 83.0153, 72.0589 by changing the saturation by 10% instead.


 81.3245, 83.0153,
72.0589

 81.3245, 83.0153,
72.0589


488.0542,
505.0375, 486.7296

 61.1211, 62.2028,
52.7197


134.1671,
137.5969, 123.8488

 44.5758, 45.1966,
37.1928


167.5370,
172.1347, 157.1365

 31.3233, 31.6123,
25.0599

206.0264,
212.0165, 195.9108

 20.9982, 21.0655,
15.9022

250.0008,
257.6265, 240.5901

 13.2351, 13.1719,
9.3014

299.8253,
309.3493, 291.5932

 7.6688, 7.5470,
4.8388

355.8655,

 3.9338, 3.8065,

367.5691, 349.3384

2.0959

418.4867,
432.6704, 414.2444

■ 1.6647, 1.5659,
0.6133

■ 0.4340, 0.3345,
0.0000

■ 81.3245, 83.0153,
72.0589

■ 81.3245, 83.0153,
72.0589

■ 74.8345, 74.6898,
55.5464

■ 88.6068, 92.1161,
91.3305

■ 69.1006, 67.1065,
41.6594

95.0500, 100.0000,
108.9000

■ 64.0924, 60.2460,
30.2609

■ 59.7748, 54.0832,
21.1990

■ 56.1091, 48.5917,
14.3055

■ 53.0524, 43.7426,
9.3886

■ 50.5545, 39.5037,
6.2226

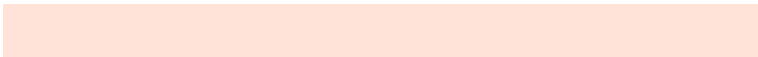
■ 48.5499, 35.8360,
4.5018

■ 48.1979, 35.1758,
4.2493

Harmonies

Analogous

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



84.5537, 83.0153, 77.4095



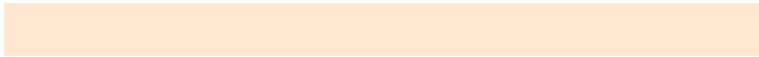
81.3245, 83.0153, 72.0589



77.5421, 83.0153, 71.3833

Triad

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



81.3245, 83.0153, 72.0589



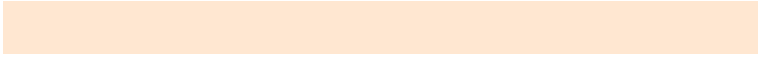
71.9533, 83.0153, 94.3682



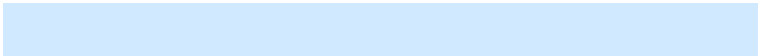
83.7686, 83.0153, 107.1392

Complementary

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



81.3245, 83.0153, 72.0589



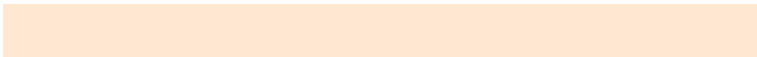
73.4826, 79.0508, 105.9931

Split Complementary

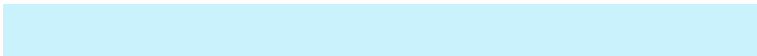
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2808, 83.0153, 112.5014



81.3245, 83.0153, 72.0589



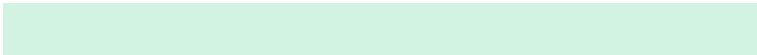
73.5109, 83.0153, 104.7450

Square

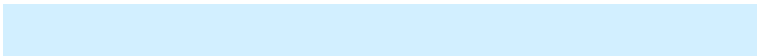
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3245, 83.0153, 72.0589



72.2124, 83.0153, 83.6981



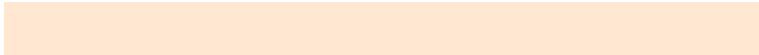
76.5311, 83.0153, 111.5917



85.9957, 83.0153, 97.4284

Rectangle

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



81.3245, 83.0153, 72.0589



75.2249, 83.0153, 73.6093



76.5311, 83.0153, 111.5917



82.7002, 83.0153, 109.5439

Sweetspot

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



81.3265, 83.0189, 72.0606



90.9795, 95.0356, 97.7500



78.8253, 72.7756, 87.3840



19.3545, 20.1956, 20.5997



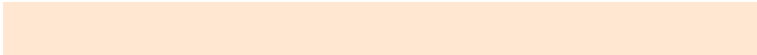
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.3265, 83.0189, 72.0606



78.6621, 79.6287, 65.1959



88.0217, 96.4092, 74.2923



18.7263, 19.4207, 18.9059



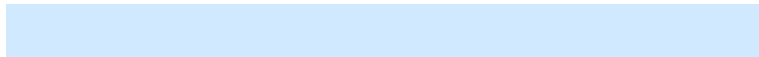
25.3319, 18.6750, 2.2695



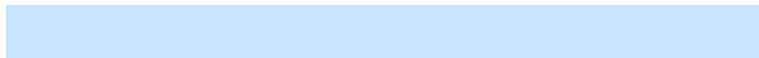
2.5751, 2.0355, 0.2572

Inverse Universe

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



73.4826, 79.0508, 105.9931



69.3649, 74.9250, 105.4138



67.5239, 67.1334, 104.0069



17.7870, 18.9456, 22.9693



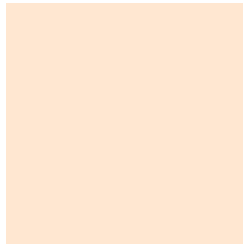
13.9657, 12.8410, 51.1771



1.4692, 1.4692, 5.0194

Previews

White Background



This preview shows how the XYZ color 81.3245, 83.0153, 72.0589 looks on a white background.

Color Contrast Check

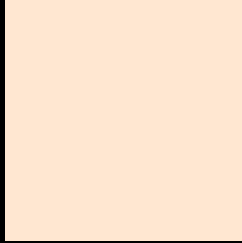
Large Text (above 18pt) WCAG AA × Fail

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 81.3245, 83.0153, 72.0589 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 81.3245, 83.0153, 72.0589

Background



This preview shows how black text looks on a background with the XYZ color 81.3245, 83.0153, 72.0589.



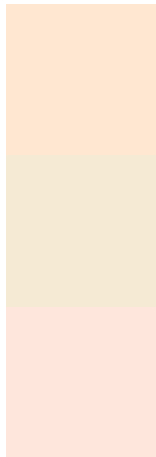
This preview shows how white text looks on a background with the XYZ color 81.3245, 83.0153,

72.0589.

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

81.3245, 83.0153, 72.0589

Protanopia

78.8369, 82.9613, 73.4860

Deuteranopia

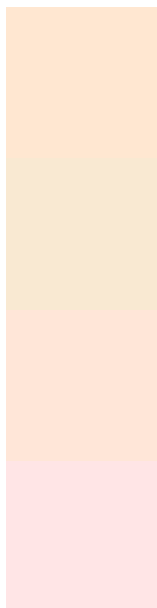
82.4551, 83.0209, 79.3889



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

81.3245, 83.0153, 72.0589

Protanomaly

79.8387, 83.0707, 72.7991

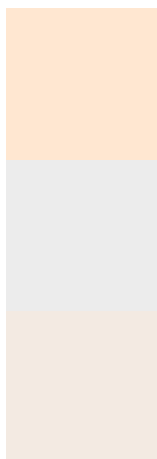
Deuteranomaly

81.9315, 82.8115, 76.6317

Tritanomaly

83.5422, 83.0118, 86.4826

Monochromacy



Original Color

81.3245, 83.0153, 72.0589

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.1124, 83.3913, 83.8253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3245, 83.0153, 72.0589 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, 231, 209) looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 209)  
}
```

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, 231, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 209) }
```

Border

The CSS property to change the border of an element to XYZ 81.3245, 83.0153, 72.0589 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, 231, 209) }
```


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

```
.border{ border-color:rgb(255, 231, 209) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3245, 83.0153, 72.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 209) }
```

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

```
.background{ background-color: rgb(255,  
231, 209) }
```

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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