

# Converting Colors

XYZ(81.6774, 83.7012, 72.2376)

Have a look what the booklet for  
XYZ(81.6774, 83.7012, 72.2376)  
contains.

<b>XYZ(81.6052, 83.5767, 72.1525)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.6052, 83.5767,  
72.1525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8D1
RGB	255, 232, 209
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0902, 0.1804
CMYK	0.00, 0.09, 0.18, 0.00
HSL	30°, 100%, 91%
HSV	30°, 18%, 100%
XYZ	81.6052, 83.5767, 72.1525
YIQ	236.2550, 21.0910, -2.2770

# Conversions

## Conversions Part 2

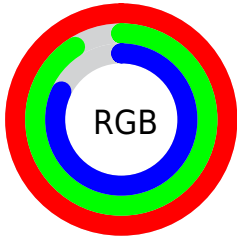
Format	Color
<a href="#">RYB</a>	<a href="#">255, 255, 209</a>
Decimal	<a href="#">16771281</a>
CIELab	<a href="#">93.27, 4.25, 14.02</a>
CIElCh	<a href="#">93, 14.654, 73.155</a>
Yxy	<a href="#">83.5767, 0.3438, 0.3521</a>
Android (android.graphics.Color)	<a href="#">4294961361 (0xFFFFE8D1)</a>
YUV	<a href="#">236.2550, -13.4367, 16.4394</a>
Hunter-Lab	<a href="#">91.4203, -0.6497, 17.2002</a>

# Details

The XYZ color **81.6052, 83.5767, 72.1525** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2004, 78.4863, 105.8990**, and the grayscale version is **80.0143, 84.1813, 91.6734**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7304, 45.4230, 37.4203** is the 20% darker color. If you saturate the color by 10%, you get **75.2388, 75.4983, 55.6812**, and if you desaturate by 10%, it is **88.7413, 92.3851, 91.3754**.

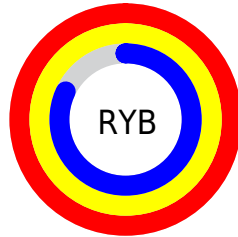
# Distribution



Red (100%)

Green (91%)

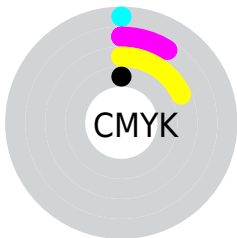
Blue (82%)



Red (100%)

Yellow (100%)

Blue (82%)

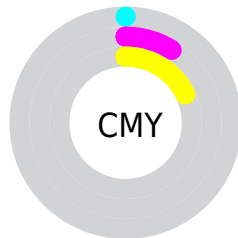


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6052, 83.5767, 72.1525 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 81.6052, 83.5767, 72.1525 by changing the saturation by 10% instead.




 81.6052, 83.5767,  
72.1525

 81.6052, 83.5767,  
72.1525


488.9807,  
506.9065, 487.0640

 61.3532, 62.6660,  
52.7957


134.5589,  
138.3829, 123.9831

 44.7639, 45.5711,  
37.2531


167.9913,  
173.0472, 157.2939

 31.4720, 31.9075,  
25.1062


206.5479,  
213.0648, 196.0931

 21.1121, 21.2908,  
15.9364


250.5940,  
258.8201, 240.7992

 13.3189, 13.3368,  
9.3253

300.4950,  
310.6976, 291.8308

 7.7270, 7.6608,  
4.8543

356.6162,

 3.9711, 3.8787,

369.0815, 349.6065

2.1048

419.3230,  
434.3564, 414.5447

■ 1.6858, 1.6059,  
0.6186

■ 0.4474, 0.3616,  
0.0000

■ 81.6052, 83.5767,  
72.1525

■ 81.6052, 83.5767,  
72.1525

■ 75.2388, 75.4983,  
55.6812

■ 88.7413, 92.3851,  
91.3754

■ 69.6066, 68.1184,  
41.8281

95.0500, 100.0000,  
108.9000

■ 64.6789, 61.4189,  
30.4564

■ 60.4216, 55.3768,  
21.4147

■ 56.7969, 49.9672,  
14.5347

■ 53.7627, 45.1632,  
9.6254

■ 51.2699, 40.9345,  
6.4611

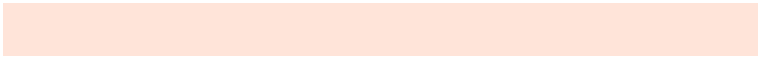
■ 49.2541, 37.2443,  
4.7365

■ 48.8980, 36.5760,  
4.4827

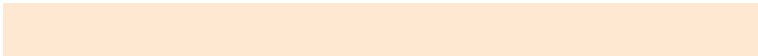
# Harmonies

## Analogous

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



84.9698, 83.5767, 77.2357



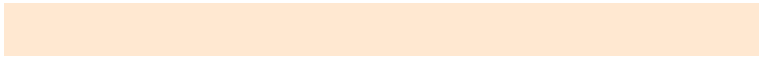
81.6052, 83.5767, 72.1525



77.7616, 83.5767, 71.8498

# Triad

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



81.6052, 83.5767, 72.1525



72.4336, 83.5767, 95.9197



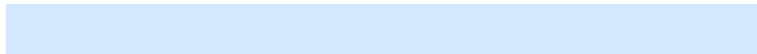
84.6173, 83.5767, 107.3874

# Complementary

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



81.6052, 83.5767, 72.1525



73.2004, 78.4863, 105.8990

# Split Complementary

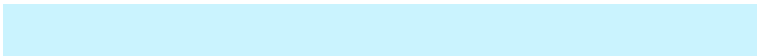
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1366, 83.5767, 113.2842



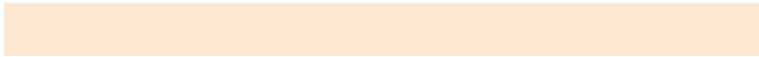
81.6052, 83.5767, 72.1525



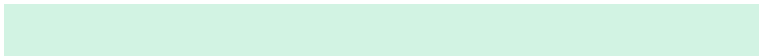
74.1500, 83.5767, 106.3114

# Square

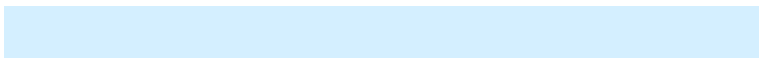
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6052, 83.5767, 72.1525



72.5499, 83.5767, 84.9850



77.3078, 83.5767, 112.8752



86.7470, 83.5767, 97.2941



# Rectangle

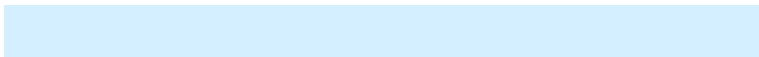
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6052, 83.5767, 72.1525



75.4506, 83.5767, 74.3556



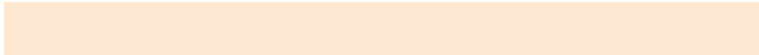
77.3078, 83.5767, 112.8752



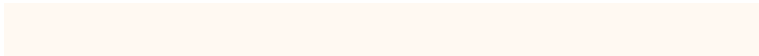
83.5616, 83.5767, 109.9614

# Sweetspot

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



81.6073, 83.5803, 72.1543



91.0649, 95.2065, 97.7785



78.6065, 72.6881, 86.2318



19.3752, 20.2371, 20.6066



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

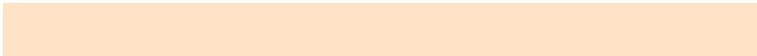


# Same Dimension

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



81.6073, 83.5803, 72.1543



78.9944, 80.2933, 65.3067



88.5089, 97.3835, 74.4548



18.7600, 19.4881, 18.9172



25.6996, 19.4104, 2.3921

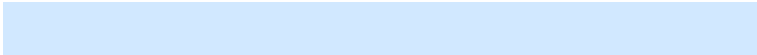


2.6115, 2.1083, 0.2693

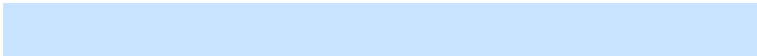


# Inverse Universe

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



73.2004, 78.4863, 105.8990



69.0303, 74.2556, 105.3022



67.1459, 66.3774, 103.8809



17.7532, 18.8781, 22.9581



13.5782, 12.0660, 51.0479

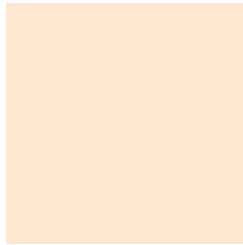


1.4313, 1.3932, 5.0068



# Previews

## White Background



This preview shows how the XYZ color 81.6052, 83.5767, 72.1525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

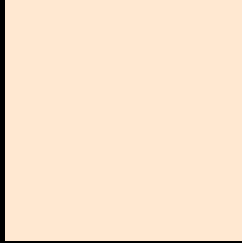
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6052, 83.5767, 72.1525 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

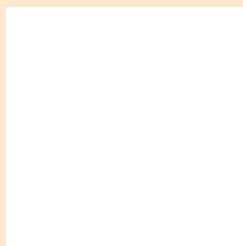
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.6052, 83.5767, 72.1525

## Background



This preview shows how black text looks on a background with the XYZ color 81.6052, 83.5767, 72.1525.



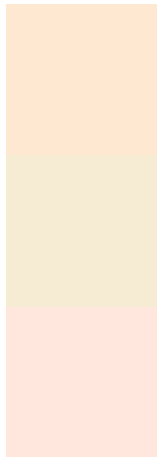
This preview shows how white text looks on a background with the XYZ color 81.6052, 83.5767,

72.1525.

# 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

81.6052, 83.5767, 72.1525

### Protanopia

79.4722, 83.7126, 73.5975

### Deuteranopia

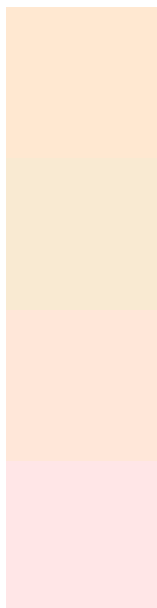
82.8671, 83.6323, 80.1817



## **Tritanopia**

85.4370, 83.7697, 96.4602

# Trichromacy



## Original Color

81.6052, 83.5767, 72.1525

## Protanomaly

80.1226, 83.6385, 72.8937

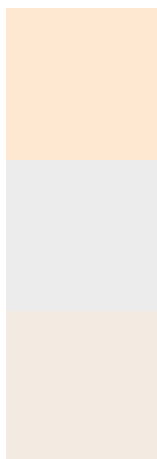
## Deuteranomaly

82.3403, 83.4216, 77.4078

## Tritanomaly

83.9606, 83.6232, 87.3170

# Monochromacy



## Original Color

81.6052, 83.5767, 72.1525

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.3979, 83.9623, 83.9204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6052, 83.5767, 72.1525 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, 232, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 81.6052, 83.5767, 72.1525 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, 232, 209) }
```



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

```
.border{ border-color:rgb(255, 232, 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, 232, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.6052, 83.5767, 72.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 209) }
```

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

```
.background{ background-color: rgb(255,  
232, 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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