

Converting Colors

XYZ(82.7622, 88.4716, 72.7585)

Have a look what the booklet for
XYZ(82.7622, 88.4716, 72.7585)
contains.

XYZ(82.6851, 88.4317, 73.0327)	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(82.6851, 88.4317,
73.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF2D1
RGB	250, 242, 209
RGB Percent	98%, 95%, 82%
CMY	0.0196, 0.0510, 0.1804
CMYK	0.00, 0.03, 0.16, 0.02
HSL	48°, 80%, 90%
HSV	48°, 16%, 98%
XYZ	82.6851, 88.4317, 73.0327
YIQ	240.6300, 15.3610, -8.5670

Conversions

Conversions Part 2

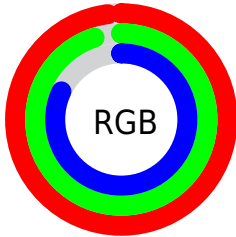
Format	Color
R _Y B	219, 250, 209
Decimal	16446161
CIE Lab	95.34, -2.62, 16.90
CIE LCh	95, 17.099, 98.798
Yxy	88.4317, 0.3387, 0.3622
Android (android.graphics.Color)	4294636241 (0xFFFAF2D1)
YUV	240.6300, -15.5936, 8.2175
Hunter-Lab	94.0381, -7.6167, 19.7804

Details

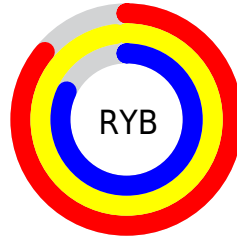
The XYZ color **82.6851, 88.4317, 73.0327** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.3625, 70.0817, 100.3672**, and the grayscale version is **83.4305, 87.7754, 95.5874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4676, 48.8218, 38.0375** is the 20% darker color. If you saturate the color by 10%, you get **78.3988, 84.4293, 57.5129**, and if you desaturate by 10%, it is **87.5006, 92.7136, 91.1272**.

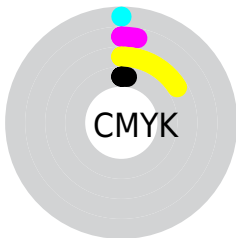
Distribution



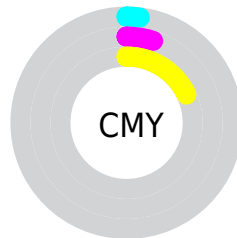
- Red (98%)
- Green (95%)
- Blue (82%)



- Red (86%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (16%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6851, 88.4317, 73.0327 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 82.6851, 88.4317, 73.0327 by changing the saturation by 10% instead.

82.6851, 88.4317,
73.0327

82.6851, 88.4317,
73.0327

492.5363,
522.9159, 490.2020

62.2464, 66.6806,
53.5107

136.0651,
145.1580, 125.2450

45.4882, 48.8251,
37.8201

169.7372,
180.9021, 158.7724

32.0451, 34.4808,
25.5424

208.5512,
222.0793, 197.8053

21.5516, 23.2632,
16.2589

252.8724,
269.0740, 242.7623

13.6426, 14.7880,
9.5512

303.0661,
322.2706, 294.0619

7.9525, 8.6707,
5.0007

359.4978,

4.1161, 4.5270,

382.0535, 352.1227

2.1889

422.5327,
448.8072, 417.3632

■ 1.7680, 1.9725,
0.6680

■ 0.4983, 0.5914,
0.0000

■ 82.6851, 88.4317,
73.0327

■ 82.6851, 88.4317,
73.0327

■ 78.3988, 84.4293,
57.5129

■ 87.5006, 92.7136,
91.1272

■ 74.6116, 80.6850,
44.4430

■ 92.2085, 97.0118,
108.4730

■ 71.3013, 77.1925,
33.6966

■ 93.2346, 99.0641,
108.8150

■ 68.4410, 73.9403,
25.1331

■ 66.0009, 70.9162,
18.5974

■ 63.9472, 68.1061,
13.9133

■ 62.2404, 65.4937,
10.8746

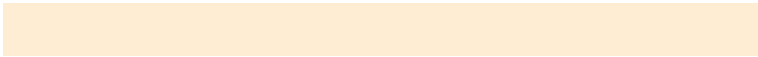
■ 60.8315, 63.0589,
9.2239

■ 60.3700, 62.2148,
8.8268

Harmonies

Analogous

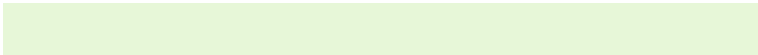
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3429, 88.4317, 74.2360



82.6851, 88.4317, 73.0327



78.5473, 88.4317, 77.5942

Triad

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



82.6851, 88.4317, 73.0327



77.2425, 88.4317, 113.3250



92.7089, 88.4317, 105.8956

Complementary

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



82.6851, 88.4317, 73.0327



68.3625, 70.0817, 100.3672

Split Complementary

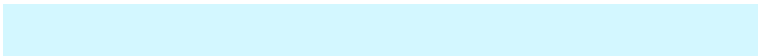
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8074, 88.4317, 117.7641



82.6851, 88.4317, 73.0327



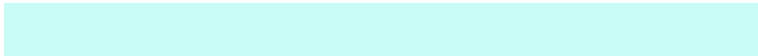
80.8442, 88.4317, 122.3222

Square

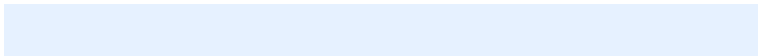
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6851, 88.4317, 73.0327



75.4823, 88.4317, 100.2761



85.4332, 88.4317, 124.0179



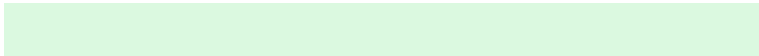
93.2463, 88.4317, 92.4053

Rectangle

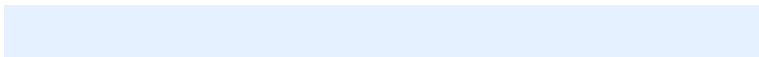
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6851, 88.4317, 73.0327



76.5991, 88.4317, 83.5631



85.4332, 88.4317, 124.0179



91.9727, 88.4317, 110.2412

Sweetspot

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



82.6875, 88.4356, 73.0346



92.2766, 97.6298, 98.1823



74.7762, 70.9463, 75.5362



19.6700, 20.8268, 20.7049



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

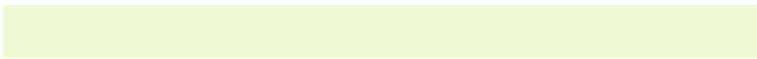
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6875, 88.4356, 73.0346



84.8082, 90.9578, 70.2135



80.8544, 91.1007, 73.6456



18.4229, 19.5817, 18.2711



32.1246, 33.2059, 4.7162



3.0463, 3.2174, 0.4605

Inverse Universe

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



68.3625, 70.0817, 100.3672



66.9844, 68.1226, 104.2263



69.9671, 67.9236, 99.8660



16.5570, 17.1908, 21.8308



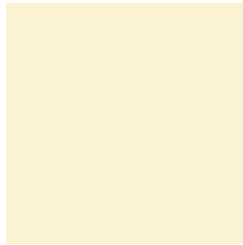
9.8080, 4.9716, 48.4162



0.9784, 0.6004, 4.5075

Previews

White Background



This preview shows how the XYZ color 82.6851, 88.4317, 73.0327 looks on a white background.

Color Contrast Check

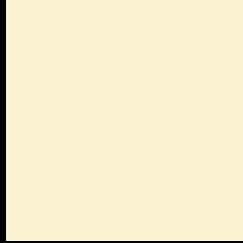
Large Text (above 18pt) WCAG AA × Fail

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 82.6851, 88.4317, 73.0327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

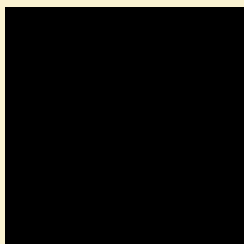
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.6851, 88.4317, 73.0327

Background



This preview shows how black text looks on a background with the XYZ color 82.6851, 88.4317, 73.0327.

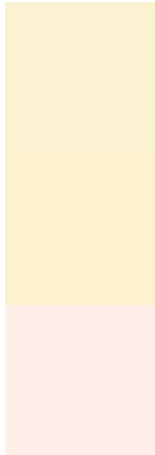


This preview shows how white text looks on a background with the XYZ color 82.6851, 88.4317,

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

82.6851, 88.4317, 73.0327

Protanopia

83.3485, 88.3473, 72.3343

Deuteranopia

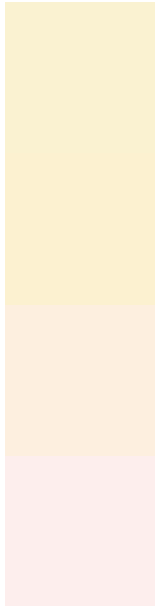
86.2383, 88.1786, 88.0762



Tritanopia

88.9651, 88.3428, 105.2914

Trichromacy



Original Color

82.6851, 88.4317, 73.0327

Protanomaly

82.9853, 88.1601, 72.3173

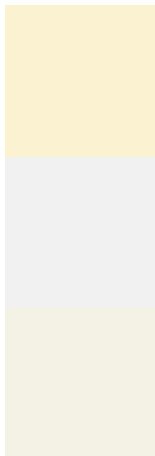
Deuteranomaly

84.6938, 87.9434, 82.3230

Tritanomaly

86.3686, 88.1461, 92.5826

Monochromacy



Original Color

82.6851, 88.4317, 73.0327

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.9064, 87.8008, 86.7064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6851, 88.4317, 73.0327 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(250, 242, 209) looks like.

```
.text, #text, p{  
    color:rgb(250, 242, 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(250, 242, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 242, 209) }
```

Border

The CSS property to change the border of an element to XYZ 82.6851, 88.4317, 73.0327 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(250, 242, 209) }
```


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

```
.border{ border-color:rgb(250, 242, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 242, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 242, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 242, 209);  
box-shadow:4px 4px 4px 4px rgb(250, 242,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6851, 88.4317, 73.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 242, 209) }
```

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

```
.background{ background-color: rgb(250,  
242, 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](#).

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