

Converting Colors

XYZ(80.1247, 82.5353, 65.7407)

Have a look what the booklet for
XYZ(80.1247, 82.5353, 65.7407)
contains.

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Color

**XYZ(80.1247, 82.5353,
65.7407)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C7
RGB	255, 231, 199
RGB Percent	100%, 91%, 78%
CMY	0.0000, 0.0941, 0.2196
CMYK	0.00, 0.09, 0.22, 0.00
HSL	34°, 100%, 89%
HSV	34°, 22%, 100%
XYZ	80.1247, 82.5353, 65.7407
YIQ	234.5280, 24.5760, -4.8640

Conversions

Conversions Part 2

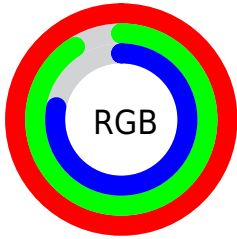
Format	Color
R _Y B	241, 255, 199
Decimal	16771015
CIE Lab	92.81, 3.32, 18.57
CIE LCh	93, 18.859, 79.863
Yxy	82.5353, 0.3508, 0.3614
Android (android.graphics.Color)	4294961095 (0xFFFFE7C7)
YUV	234.5280, -17.5153, 17.9539
Hunter-Lab	90.8489, -1.5566, 20.6904

Details

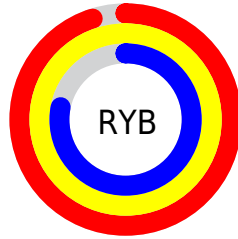
The XYZ color **80.1247, 82.5353, 65.7407** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.9902, 72.1354, 104.9478**, and the grayscale version is **78.7243, 82.8241, 90.1954**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9249, 45.1008, 33.1783** is the 20% darker color. If you saturate the color by 10%, you get **74.4457, 75.5251, 50.4443**, and if you desaturate by 10%, it is **86.4947, 90.1331, 83.7170**.

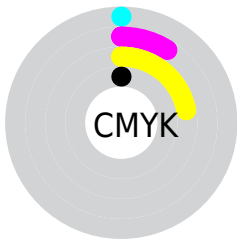
Distribution



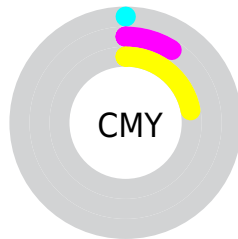
- Red (100%)
- Green (91%)
- Blue (78%)



- Red (95%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (9%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1247, 82.5353, 65.7407 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 80.1247, 82.5353, 65.7407 by changing the saturation by 10% instead.


 80.1247, 82.5353,
65.7407

 80.1247, 82.5353,
65.7407


484.0831,
503.4365, 463.8278

 60.1298, 61.8069,
47.6068


132.4906,
136.9244, 114.7375

 43.7731, 44.8767,
33.1578


165.5924,
171.3539, 146.4375

 30.6893, 31.3603,
21.9753


203.7938,
211.1192, 183.4967

 20.5131, 20.8734,
13.6406

247.4602,
256.6047, 226.3334

 12.8790, 13.0315,
7.7352

296.9570,
308.1947, 275.3664

 7.4217, 7.4502,
3.8407

352.6495,

 3.7758, 3.7452,

366.2738, 331.0141

1.5383

414.9031,
431.2263, 393.6951

■ 1.5761, 1.5321,
0.2462

■ 0.3768, 0.3112,
0.0000

■ 80.1247, 82.5353,
65.7407

■ 80.1247, 82.5353,
65.7407

■ 74.4457, 75.5251,
50.4443

■ 86.4947, 90.1331,
83.7170

■ 69.4237, 69.0747,
37.6915

■ 93.5762, 98.3234,
104.4903

■ 65.0303, 63.1700,
27.3414

■ 95.0500, 100.0000,
108.9000

■ 61.2322, 57.7919,
19.2374

■ 57.9926, 52.9196,
13.2040

■ 55.2696, 48.5300,
9.0392

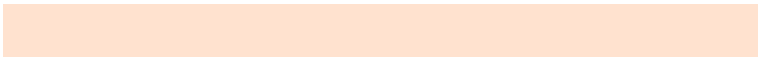
■ 53.0130, 44.5967,
6.4994

■ 51.4787, 41.7374,
5.3429

Harmonies

Analogous

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



84.7070, 82.5353, 70.6986



80.1247, 82.5353, 65.7407



75.2757, 82.5353, 66.7110

Triad

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



80.1247, 82.5353, 65.7407



69.8793, 82.5353, 99.3937



85.9068, 82.5353, 108.4941

Complementary

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



80.1247, 82.5353, 65.7407



67.9902, 72.1354, 104.9478

Split Complementary

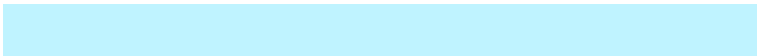
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7069, 82.5353, 117.8428



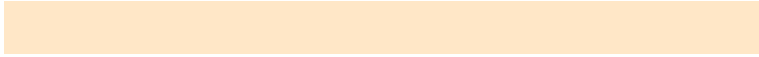
80.1247, 82.5353, 65.7407



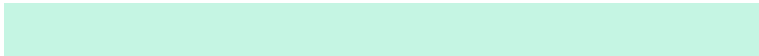
72.5039, 82.5353, 112.2200

Square

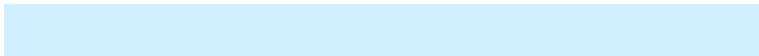
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1247, 82.5353, 65.7407



69.4956, 82.5353, 85.1808



76.7935, 82.5353, 119.2734



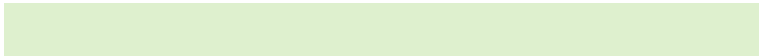
88.1366, 82.5353, 94.7218

Rectangle

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



80.1247, 82.5353, 65.7407



72.5367, 82.5353, 70.6277



76.7935, 82.5353, 119.2734



84.6706, 82.5353, 112.3166

Sweetspot

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



80.1267, 82.5389, 65.7424



89.9164, 94.1201, 93.6636



75.0193, 67.4499, 79.0666



19.1547, 20.0400, 19.7808



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.



80.1267, 82.5389, 65.7424



77.7504, 79.6364, 59.2470



85.9489, 96.2024, 68.0729



18.8713, 19.7107, 18.9543



27.0499, 22.1111, 2.8422



2.7422, 2.3699, 0.3129

Inverse Universe

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



67.9902, 72.1354, 104.9478



63.8026, 67.6818, 104.3089



63.0303, 60.7270, 103.0072



17.6430, 18.6575, 22.9213



12.4447, 9.7990, 50.6701



1.3175, 1.1657, 4.9688

Previews

White Background



This preview shows how the XYZ color 80.1247, 82.5353, 65.7407 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 80.1247, 82.5353, 65.7407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

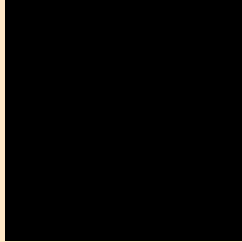
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1247, 82.5353, 65.7407

Background



This preview shows how black text looks on a background with the XYZ color 80.1247, 82.5353, 65.7407.



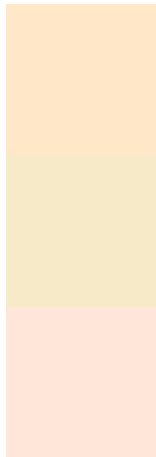
This preview shows how white text looks on a background with the XYZ color 80.1247, 82.5353,

65.7407.

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

80.1247, 82.5353, 65.7407

Protanopia

77.8542, 82.6086, 66.4853

Deuteranopia

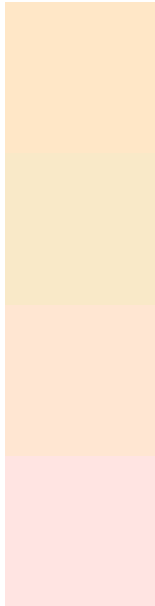
81.9315, 82.8115, 76.6317



Tritanopia

84.5863, 82.5490, 94.6945

Trichromacy



Original Color

80.1247, 82.5353, 65.7407

Protanomaly

78.6312, 82.5877, 66.4403

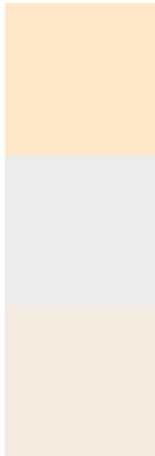
Deuteranomaly

81.1697, 82.5068, 72.6201

Tritanomaly

82.7109, 82.2378, 83.4657

Monochromacy



Original Color

80.1247, 82.5353, 65.7407

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.2256, 82.9968, 80.9516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1247, 82.5353, 65.7407 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 199) }
```

Border

The CSS property to change the border of an element to XYZ 80.1247, 82.5353, 65.7407 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, 199) }
```


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

```
.border{ border-color:rgb(255, 231, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1247, 82.5353, 65.7407 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
231, 199) }
```

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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