

Converting Colors

XYZ(81.5807, 85.4703, 66.1551)

Have a look what the booklet for
XYZ(81.5807, 85.4703, 66.1551)
contains.

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Color

**XYZ(81.5443, 85.3744,
66.2139)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECC7
RGB	255, 236, 199
RGB Percent	100%, 93%, 78%
CMY	0.0000, 0.0745, 0.2196
CMYK	0.00, 0.07, 0.22, 0.00
HSL	40°, 100%, 89%
HSV	40°, 22%, 100%
XYZ	81.5443, 85.3744, 66.2139
YIQ	237.4630, 23.2010, -7.4790

Conversions

Conversions Part 2

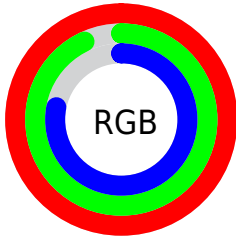
Format	Color
R _Y B	228, 255, 199
Decimal	16772295
CIE Lab	94.04, 0.78, 20.29
CIE LCh	94, 20.302, 87.812
Yxy	85.3744, 0.3498, 0.3662
Android (android.graphics.Color)	4294962375 (0xFFFFECC7)
YUV	237.4630, -18.9623, 15.3799
Hunter-Lab	92.3983, -4.1653, 22.1907

Details

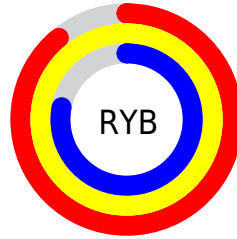
The XYZ color **81.5443, 85.3744, 66.2139** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.6740, 69.5030, 104.5091**, and the grayscale version is **80.9840, 85.2015, 92.7844**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7208, 46.6926, 33.4436** is the 20% darker color. If you saturate the color by 10%, you get **76.3983, 79.4302, 51.0952**, and if you desaturate by 10%, it is **87.3110, 91.7656, 83.9892**.

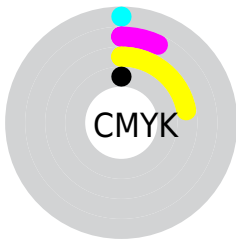
Distribution



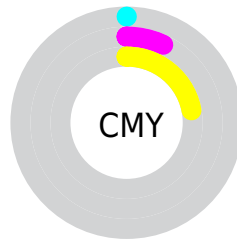
- Red (100%)
- Green (93%)
- Blue (78%)



- Red (89%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5443, 85.3744, 66.2139 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 81.5443, 85.3744, 66.2139 by changing the saturation by 10% instead.


 81.5443, 85.3744,
66.2139

 81.5443, 85.3744,
66.2139


488.7798,
512.8661, 465.5666

 61.3028, 64.1508,
47.9885


134.4739,
140.8962, 115.4232

 44.7231, 46.7728,
33.4578


167.8928,
175.9631, 147.2442

 31.4397, 32.8561,
22.2034

206.4348,
216.4132, 184.4341

 21.0874, 22.0162,
13.8067

250.4653,
262.6310, 227.4115

 13.3007, 13.8688,
7.8491

300.3497,
315.0008, 276.5949

 7.7144, 8.0295,
3.9122

356.4534,

 3.9630, 4.1138,

373.9069, 332.4028

1.5773

419.1416,
439.7339, 395.2539

■ 1.6812, 1.7374,
0.2745

■ 0.4445, 0.4477,
0.0000

■ 81.5443, 85.3744,
66.2139

■ 81.5443, 85.3744,
66.2139

■ 76.3983, 79.4302,
51.0952

■ 87.3110, 91.7656,
83.9892

■ 71.8408, 73.9088,
38.4972

■ 93.7172, 98.6054,
104.5374

■ 67.8451, 68.7997,
28.2797

95.0500, 100.0000,
108.9000

■ 64.3799, 64.0874,
20.2867

■ 61.4104, 59.7553,
14.3433

■ 58.8967, 55.7843,
10.2482

■ 56.7907, 52.1522,
7.7587

■ 55.3365, 49.4530,
6.6288

Harmonies

Analogous

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



86.8239, 85.3744, 69.9218



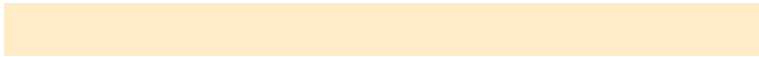
81.5443, 85.3744, 66.2139



76.3808, 85.3744, 68.9836

Triad

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



81.5443, 85.3744, 66.2139



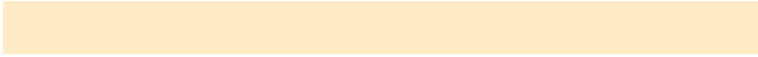
72.2743, 85.3744, 107.5877



90.2872, 85.3744, 109.7778

Complementary

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



81.5443, 85.3744, 66.2139



66.6740, 69.5030, 104.5091

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.



86.1050, 85.3744, 121.9288



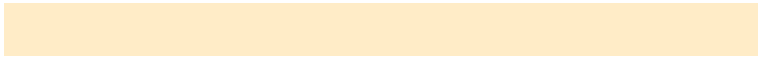
81.5443, 85.3744, 66.2139



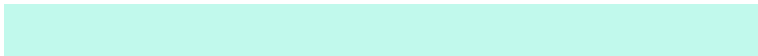
75.7209, 85.3744, 120.5687

Square

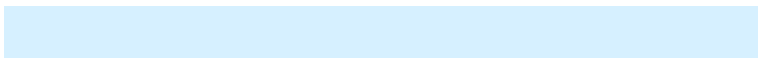
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5443, 85.3744, 66.2139



71.1728, 85.3744, 91.8235



80.7486, 85.3744, 126.0794



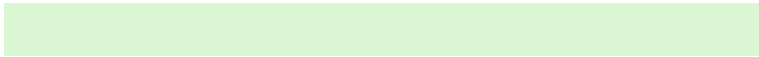
92.0095, 85.3744, 94.1023

Rectangle

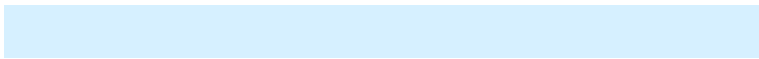
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5443, 85.3744, 66.2139



73.6677, 85.3744, 74.3236



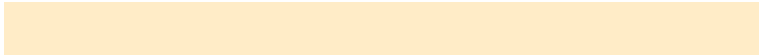
80.7486, 85.3744, 126.0794



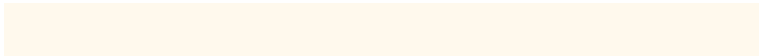
89.1135, 85.3744, 114.4730

Sweetspot

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



81.5463, 85.3781, 66.2157



90.4068, 95.1009, 93.8271



74.3976, 67.2012, 75.7929



19.2683, 20.2673, 19.8187



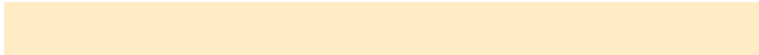
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

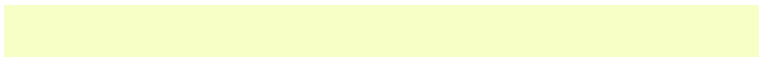
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5463, 85.3781, 66.2157



79.3937, 82.9230, 59.7948



84.2860, 95.3452, 67.9951



19.0119, 19.9920, 19.0011



29.0584, 26.1280, 3.5117



2.9306, 2.7466, 0.3757

Inverse Universe

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



66.6740, 69.5030, 104.5091



62.3029, 64.6825, 103.8090



64.3184, 61.3911, 103.0675



17.5066, 18.3847, 22.8759



11.3143, 7.5382, 50.2933



1.1981, 0.9268, 4.9290

Previews

White Background



This preview shows how the XYZ color 81.5443, 85.3744, 66.2139 looks on a white background.

Color Contrast Check

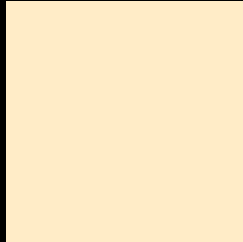
Large Text (above 18pt) WCAG AA × Fail

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 81.5443, 85.3744, 66.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

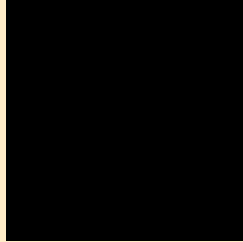
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5443, 85.3744, 66.2139

Background



This preview shows how black text looks on a background with the XYZ color 81.5443, 85.3744, 66.2139.

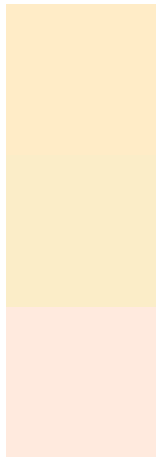


This preview shows how white text looks on a background with the XYZ color 81.5443, 85.3744,

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

81.5443, 85.3744, 66.2139

Protanopia

80.4932, 85.2477, 66.8556

Deuteranopia

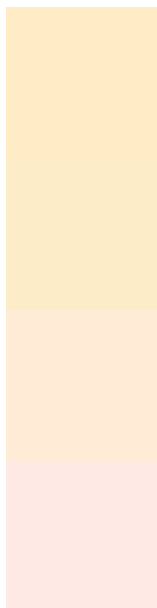
83.8476, 85.3796, 81.1679



Tritanopia

86.5780, 85.5658, 98.3389

Trichromacy



Original Color

81.5443, 85.3744, 66.2139

Protanomaly

80.8544, 85.4340, 66.8725

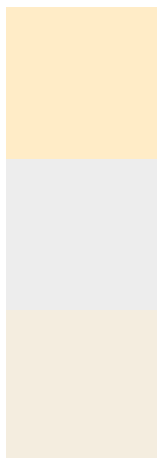
Deuteranomaly

83.0859, 85.5317, 75.7485

Tritanomaly

84.3825, 85.1393, 85.3849

Monochromacy



Original Color

81.5443, 85.3744, 66.2139

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.9117, 85.1292, 81.9791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5443, 85.3744, 66.2139 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, 236, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 199) }
```

Border

The CSS property to change the border of an element to XYZ 81.5443, 85.3744, 66.2139 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, 236, 199) }
```


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

```
.border{ border-color:rgb(255, 236, 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, 236, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5443, 85.3744, 66.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 199) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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