

Converting Colors

XYZ(84.3769, 91.5275, 65.6544)

Have a look what the booklet for
XYZ(84.3769, 91.5275, 65.6544)
contains.

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Color

**XYZ(84.4646, 91.7671,
65.4856)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7C4
RGB	255, 247, 196
RGB Percent	100%, 97%, 77%
CMY	0.0000, 0.0313, 0.2314
CMYK	0.00, 0.03, 0.23, 0.00
HSL	52°, 100%, 88%
HSV	52°, 23%, 100%
XYZ	84.4646, 91.7671, 65.4856
YIQ	243.5780, 21.1390, -14.1650

Conversions

Conversions Part 2

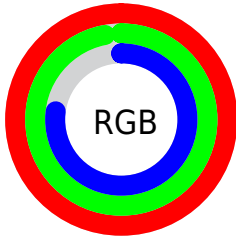
Format	Color
R _Y B	205, 255, 196
Decimal	16775108
CIE Lab	96.73, -5.17, 25.53
CIE LCh	97, 26.052, 101.457
Yxy	91.7671, 0.3494, 0.3796
Android (android.graphics.Color)	4294965188 (0xFFFFF7C4)
YUV	243.5780, -23.4560, 10.0171
Hunter-Lab	95.7951, -10.2543, 26.5259

Details

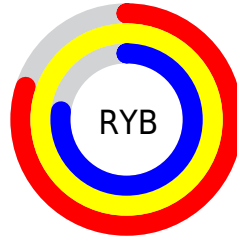
The XYZ color **84.4646, 91.7671, 65.4856** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4073, 62.1397, 103.3127**, and the grayscale version is **85.8234, 90.2929, 98.3290**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **46.8020, 51.2204, 33.0110** is the 20% darker color. If you saturate the color by 10%, you get **80.7592, 88.6131, 51.1273**, and if you desaturate by 10%, it is **88.6873, 95.1656, 82.4524**.

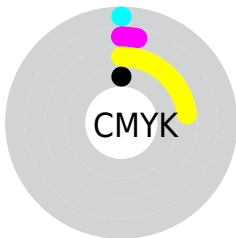
Distribution



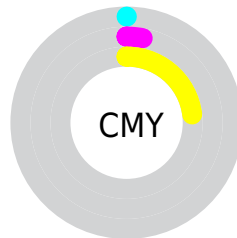
- Red (100%)
- Green (97%)
- Blue (77%)



- Red (80%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4646, 91.7671, 65.4856 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 84.4646, 91.7671, 65.4856 by changing the saturation by 10% instead.


 84.4646, 91.7671,
65.4856

 84.4646, 91.7671,
65.4856


498.3652,
533.7625, 462.8888

 63.7201, 69.4472,
47.4011


138.5428,
149.7906, 114.3677

 46.6848, 51.0760,
32.9962


172.6072,
186.2629, 146.0023

 32.9935, 36.2691,
21.8525


211.8423,
228.2215, 182.9908

 22.2807, 24.6421,
13.5513

256.6134,
276.0508, 225.7515

 14.1810, 15.8106,
7.6741

307.2858,
330.1352, 274.7032

 8.3292, 9.3902,
3.8023

364.2251,

 4.3599, 4.9966,

390.8590, 330.2643

1.5175

427.7964,
458.6066, 392.8533

■ 1.9077, 2.2453,
0.2309

■ 0.5813, 0.7445,
0.0000

■ 84.4646, 91.7671,
65.4856

■ 84.4646, 91.7671,
65.4856

■ 80.7592, 88.6131,
51.1273

■ 88.6873, 95.1656,
82.4524

■ 77.5395, 85.6815,
39.2403

■ 93.4441, 98.8061,
102.1438

■ 74.7805, 82.9651,
29.6838

95.0500, 100.0000,
108.9000

■ 72.4523, 80.4518,
22.3003

■ 70.5210, 78.1279,
16.9129

■ 68.9478, 75.9778,
13.3169

■ 67.6852, 73.9823,
11.2638

■ 66.9516, 72.6832,
10.5005

Harmonies

Analogous

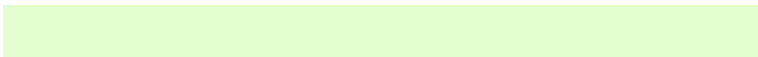
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7601, 91.7671, 66.4601



84.4646, 91.7671, 65.4856



78.2590, 91.7671, 72.7291

Triad

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



84.4646, 91.7671, 65.4856



77.1240, 91.7671, 128.9515



101.2111, 91.7671, 113.2492

Complementary

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



84.4646, 91.7671, 65.4856



62.4073, 62.1397, 103.3127

Split Complementary

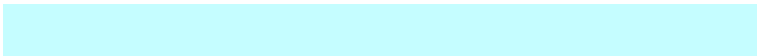
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8442, 91.7671, 133.1588



84.4646, 91.7671, 65.4856



82.8358, 91.7671, 143.0601

Square

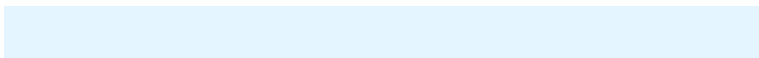
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4646, 91.7671, 65.4856



74.1814, 91.7671, 108.1145



90.0385, 91.7671, 144.6990



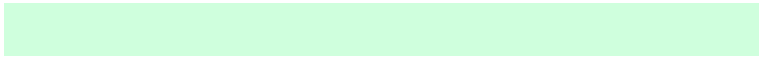
101.7075, 91.7671, 92.1481

Rectangle

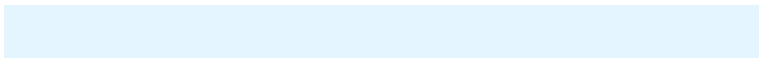
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4646, 91.7671, 65.4856



75.4685, 91.7671, 81.9232



90.0385, 91.7671, 144.6990



100.1363, 91.7671, 120.3737

Sweetspot

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



84.4668, 91.7711, 65.4875



91.5413, 97.3698, 94.2052



71.9820, 65.1414, 66.4435



19.5316, 20.7938, 19.9064



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.



84.4668, 91.7711, 65.4875



82.6010, 90.2063, 58.1859



79.7710, 93.0575, 65.9833



19.3390, 20.6462, 19.1102



35.0649, 38.1411, 5.5139



3.4697, 3.8247, 0.5554

Inverse Universe

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



62.4073, 62.1397, 103.3127



56.8520, 55.6221, 102.3475



66.3021, 61.3991, 102.9645



17.2014, 17.7744, 22.7741



9.7990, 4.5075, 49.7882



1.0121, 0.5548, 4.8670

Previews

White Background



This preview shows how the XYZ color 84.4646, 91.7671, 65.4856 looks on a white background.

Color Contrast Check

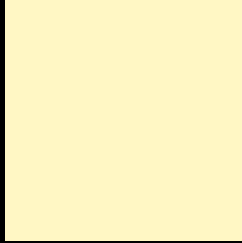
Large Text (above 18pt) WCAG AA × Fail

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 84.4646, 91.7671, 65.4856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

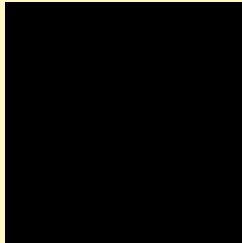
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4646, 91.7671, 65.4856

Background



This preview shows how black text looks on a background with the XYZ color 84.4646, 91.7671, 65.4856.



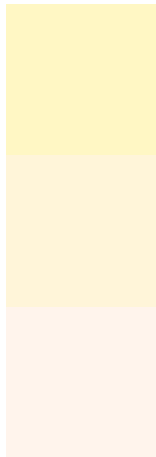
This preview shows how white text looks on a background with the XYZ color 84.4646, 91.7671,

65.4856.

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

84.4646, 91.7671, 65.4856

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

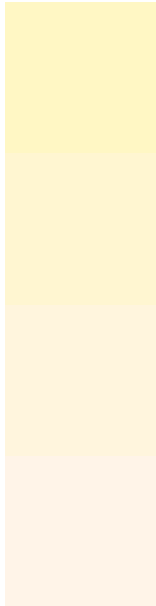
88.7310, 92.0175, 92.4414



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

84.4646, 91.7671, 65.4856

Protanomaly

85.7044, 91.7750, 73.5188

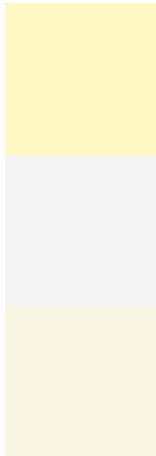
Deuteranomaly

86.9436, 91.7853, 81.5405

Tritanomaly

88.1562, 91.7876, 89.4144

Monochromacy



Original Color

84.4646, 91.7671, 65.4856

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.2289, 90.8073, 85.7086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4646, 91.7671, 65.4856 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, 247, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 196)  
}
```

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, 247, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 196) }
```

Border

The CSS property to change the border of an element to XYZ 84.4646, 91.7671, 65.4856 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, 247, 196) }
```


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

```
.border{ border-color:rgb(255, 247, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4646, 91.7671, 65.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 196) }
```

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

```
.background{ background-color: rgb(255,  
247, 196) }
```

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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