

Converting Colors

XYZ(85.6745, 95.9928, 71.1397)

Have a look what the booklet for
XYZ(85.6745, 95.9928, 71.1397)
contains.

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Color

**XYZ(85.7260, 96.0194,
71.1421)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFCC
RGB	249, 255, 204
RGB Percent	98%, 100%, 80%
CMY	0.0235, 0.0000, 0.2000
CMYK	0.02, 0.00, 0.20, 0.00
HSL	67°, 100%, 90%
HSV	67°, 20%, 100%
XYZ	85.7260, 96.0194, 71.1421
YIQ	247.3920, 12.7950, -17.1330

Conversions

Conversions Part 2

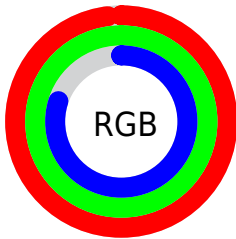
Format	Color
R_{YB}	204, 255, 210
Decimal	16383948
CIE _{Lab}	98.44, -10.19, 23.76
CIE _{LCh}	98, 25.854, 113.202
Y _{xy}	96.0194, 0.3390, 0.3797
Android (android.graphics.Color)	4294574028 (0xFFF9FFCC)
Y _{UV}	247.3920, -21.3923, 1.4102
Hunter-Lab	97.9895, -15.3211, 25.5471

Details

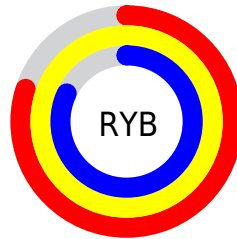
The XYZ color **85.7260, 96.0194, 71.1421** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2222, 64.1086, 103.4917**, and the grayscale version is **88.8877, 93.5168, 101.8398**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4373, 53.7966, 36.7377** is the 20% darker color. If you saturate the color by 10%, you get **81.8527, 94.3475, 56.2811**, and if you desaturate by 10%, it is **90.1181, 97.9008, 88.6439**.

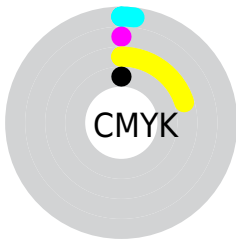
Distribution



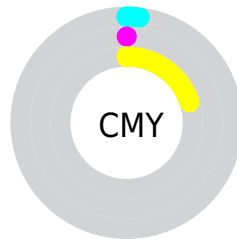
- Red (98%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7260, 96.0194, 71.1421 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 85.7260, 96.0194, 71.1421 by changing the saturation by 10% instead.

85.7260, 96.0194,
71.1421

85.7260, 96.0194,
71.1421

502.4749,
547.4233, 483.4471

64.7659, 72.9837,
51.9756

140.2959,
155.6722, 122.5324

47.5353, 53.9626,
36.6035

174.6364,
193.0581, 155.5933

33.6687, 38.5718,
24.6073

214.1677,
235.9962, 194.1227

22.8009, 26.4268,
15.5684

259.2553,
284.8709, 238.5392

14.5665, 17.1432,
9.0682

310.2645,
340.0665, 289.2614

8.6000, 10.3366,
4.6883

367.5605,

4.5362, 5.6227,

401.9676, 346.7077

2.0100

431.5089,
470.9584, 411.2968

■ 2.0097, 2.6171,
0.5614

■ 0.6394, 0.9352,
0.0000

■ 85.7260, 96.0194,
71.1421

■ 85.7260, 96.0194,
71.1421

■ 81.8527, 94.3475,
56.2811

■ 90.1181, 97.9008,
88.6439

■ 78.4724, 92.8748,
43.9286

95.0500, 100.0000,
108.9000

■ 75.5592, 91.5909,
33.9471

■ 73.0839, 90.4841,
26.1842

■ 71.0142, 89.5415,
20.4698

■ 69.3132, 88.7483,
16.6092

■ 67.9365, 88.0867,
14.3702

■ 66.8120, 87.5279,
13.3733

■ 66.8119, 87.5279,
13.3732

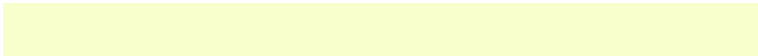
Harmonies

Analogous

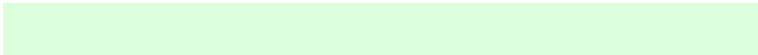
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9727, 96.0194, 68.8199



85.7260, 96.0194, 71.1421



80.2483, 96.0194, 81.8134

Triad

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



85.7260, 96.0194, 71.1421



82.9351, 96.0194, 141.0310



106.2670, 96.0194, 109.4893

Complementary

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



85.7260, 96.0194, 71.1421



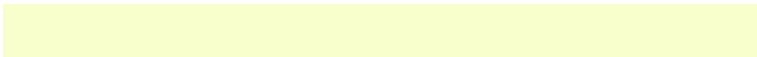
66.2222, 64.1086, 103.4917

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.



103.2433, 96.0194, 131.1484



85.7260, 96.0194, 71.1421



89.5755, 96.0194, 150.8967

Square

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



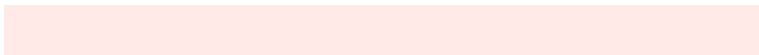
85.7260, 96.0194, 71.1421



78.6994, 96.0194, 121.5902



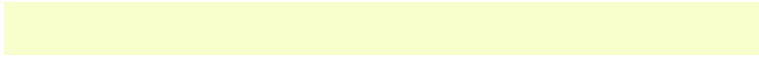
97.0346, 96.0194, 147.0537



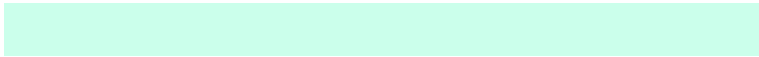
105.0984, 96.0194, 89.1791

Rectangle

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



85.7260, 96.0194, 71.1421



78.2037, 96.0194, 93.1159



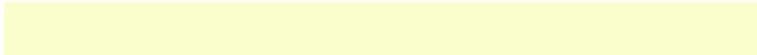
97.0346, 96.0194, 147.0537



105.7020, 96.0194, 116.8812

Sweetspot

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



85.7265, 96.0196, 71.1435



92.0245, 98.7137, 96.4080



75.1741, 71.6892, 67.0034



19.6291, 21.0999, 20.3574



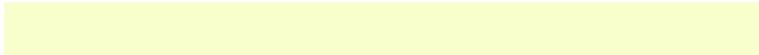
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

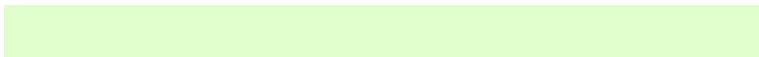
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7265, 96.0196, 71.1435



84.1158, 95.3261, 64.8876



77.2609, 91.6554, 70.7473



19.3385, 20.9759, 19.1738



34.9943, 45.7783, 6.9917



3.4643, 4.4866, 0.6834

Inverse Universe

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



66.2222, 64.1086, 103.4917



61.3846, 58.1320, 102.5930



74.0534, 68.1458, 103.8582



17.2014, 17.4801, 22.7173



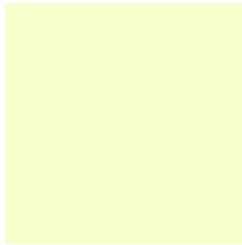
9.7735, 3.9489, 49.6817



1.0122, 0.4157, 4.8402

Previews

White Background



This preview shows how the XYZ color 85.7260, 96.0194, 71.1421 looks on a white background.

Color Contrast Check

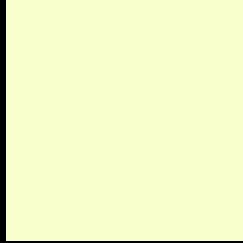
Large Text (above 18pt) WCAG AA × Fail

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 85.7260, 96.0194, 71.1421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

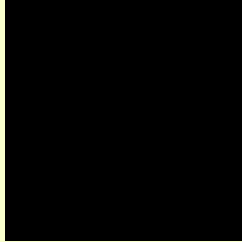
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7260, 96.0194, 71.1421

Background



This preview shows how black text looks on a background with the XYZ color 85.7260, 96.0194, 71.1421.



This preview shows how white text looks on a background with the XYZ color 85.7260, 96.0194,

71.1421.

Color Blindness Simulation

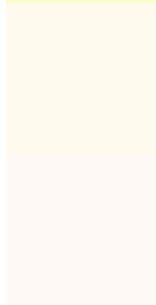
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.7260, 96.0194, 71.1421



Protanopia

90.7117, 95.7456, 93.8205

Deuteranopia

91.7502, 95.6652, 100.8182

Tritanopia

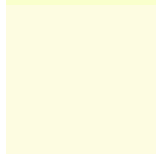
92.0706, 95.6668, 108.2206

Trichromacy



Original Color

85.7260, 96.0194, 71.1421



Protanomaly

88.9090, 95.9397, 85.0664



Deuteranomaly

89.4290, 95.6465, 89.3495



Tritanomaly

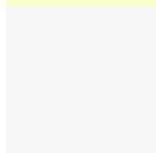
89.4212, 95.5597, 93.0888

Monochromacy



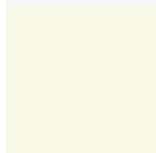
Original Color

85.7260, 96.0194, 71.1421



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.3208, 94.0972, 89.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7260, 96.0194, 71.1421 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(249, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 204)  
}
```

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(249, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 85.7260, 96.0194, 71.1421 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(249, 255, 204) }
```


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

```
.border{ border-color:rgb(249, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7260, 96.0194, 71.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 204) }
```

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

```
.background{ background-color: rgb(249,  
255, 204) }
```

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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