

Converting Colors

XYZ(101.9726, 100.2715,
71.7833)

Have a look what the booklet for
XYZ(101.9726, 100.2715, 71.7833)
contains.

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Color

**XYZ(85.2152, 91.5793,
70.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6CD
RGB	255, 246, 205
RGB Percent	100%, 96%, 80%
CMY	0.0000, 0.0353, 0.1961
CMYK	0.00, 0.04, 0.20, 0.00
HSL	49°, 100%, 90%
HSV	49°, 20%, 100%
XYZ	85.2152, 91.5793, 70.9429
YIQ	244.0170, 18.5250, -10.8430

Conversions

Conversions Part 2

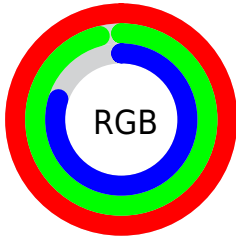
Format	Color
R _Y B	216, 255, 205
Decimal	16774861
CIE Lab	96.65, -3.42, 20.84
CIE LCh	97, 21.115, 99.331
Yxy	91.5793, 0.3440, 0.3697
Android (android.graphics.Color)	4294964941 (0xFFFFF6CD)
YUV	244.0170, -19.2354, 9.6321
Hunter-Lab	95.6971, -8.5213, 23.0346

Details

The XYZ color **85.2152, 91.5793, 70.9429** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.2729, 68.2904, 104.2434**, and the grayscale version is **86.1433, 90.6294, 98.6954**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2881, 51.0670, 36.6427** is the 20% darker color. If you saturate the color by 10%, you get **81.0072, 87.6942, 55.5717**, and if you desaturate by 10%, it is **89.9638, 95.7420, 88.9716**.

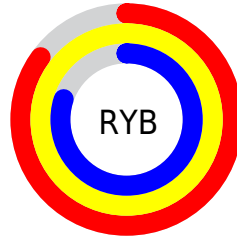
Distribution



Red (100%)

Green (96%)

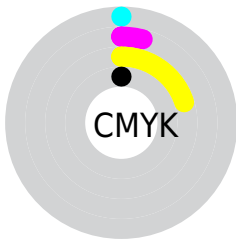
Blue (80%)



Red (85%)

Yellow (100%)

Blue (80%)

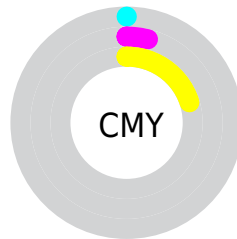


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.2152, 91.5793, 70.9429 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 85.2152, 91.5793, 70.9429 by changing the saturation by 10% instead.


 85.2152, 91.5793,
70.9429

 85.2152, 91.5793,
70.9429


500.8128,
533.1550, 482.7321

 64.3423, 69.2913,
51.8141


139.5863,
149.5302, 122.2461

 47.1907, 50.9489,
36.4757


173.8152,
185.9618, 155.2576

 33.3950, 36.1680,
24.5092


213.2268,
227.8767, 193.7336

 22.5899, 24.5640,
15.4961

258.1864,
275.6594, 238.0928

 14.4100, 15.7525,
9.0178

309.0595,
329.6941, 288.7538

 8.4900, 9.3492,
4.6558

366.2114,

 4.4645, 4.9696,

390.3654, 346.1349

1.9916

430.0074,
458.0575, 410.6548

■ 1.9681, 2.2295,
0.5501

■ 0.6160, 0.7360,
0.0000

■ 85.2152, 91.5793,
70.9429

■ 85.2152, 91.5793,
70.9429

■ 81.0072, 87.6942,
55.5717

■ 89.9638, 95.7420,
88.9716

■ 77.3086, 84.0645,
42.7242

95.0500, 100.0000,
108.9000

■ 74.0952, 80.6833,
32.2640

■ 71.3378, 77.5384,
24.0390

■ 69.0041, 74.6165,
17.8800

■ 67.0571, 71.9025,
13.5933

■ 65.4528, 69.3782,
10.9486

■ 64.1222, 67.0157,
9.5845

■ 64.0725, 66.9249,
9.5408

Harmonies

Analogous

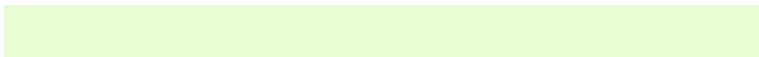
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1134, 91.5793, 72.2765



85.2152, 91.5793, 70.9429



80.0428, 91.5793, 76.6152

Triad

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



85.2152, 91.5793, 70.9429



78.5521, 91.5793, 121.7790



98.1061, 91.5793, 111.6394

Complementary

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



85.2152, 91.5793, 70.9429



67.2729, 68.2904, 104.2434

Split Complementary

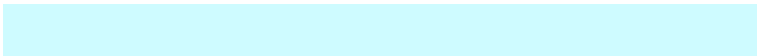
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4406, 91.5793, 127.0440



85.2152, 91.5793, 70.9429



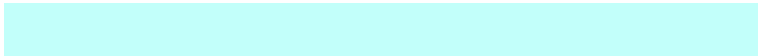
83.0964, 91.5793, 133.3422

Square

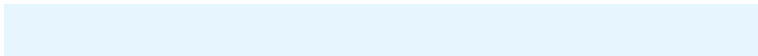
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2152, 91.5793, 70.9429



76.3121, 91.5793, 105.0806



88.8975, 91.5793, 135.3708



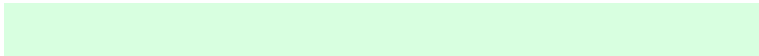
98.7363, 91.5793, 94.5338

Rectangle

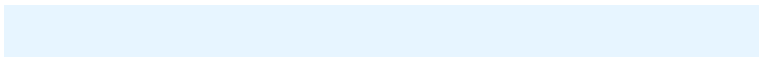
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2152, 91.5793, 70.9429



77.6370, 91.5793, 84.0288



88.8975, 91.5793, 135.3708



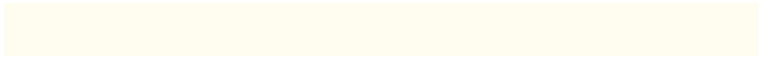
97.1804, 91.5793, 117.2395

Sweetspot

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



85.2174, 91.5833, 70.9448



91.8119, 97.3100, 96.1483



75.2309, 69.7873, 73.2363



19.5787, 20.7670, 20.2958



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

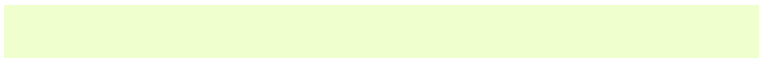
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2174, 91.5833, 70.9448



83.3032, 89.8422, 63.8720



82.4328, 94.3077, 71.6175



19.2670, 20.5021, 19.0862



33.5800, 35.1713, 5.0189



3.3388, 3.5629, 0.5117

Inverse Universe

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



67.2729, 68.2904, 104.2434



62.0324, 62.2341, 103.3507



69.6503, 66.2299, 103.7204



17.2672, 17.9060, 22.7961



10.0151, 4.9398, 49.8602



1.0434, 0.6175, 4.8775

Previews

White Background



This preview shows how the XYZ color 85.2152, 91.5793, 70.9429 looks on a white background.

Color Contrast Check

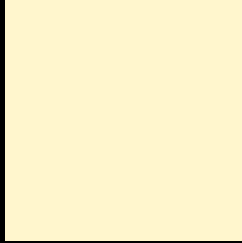
Large Text (above 18pt) WCAG AA × Fail

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 85.2152, 91.5793, 70.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

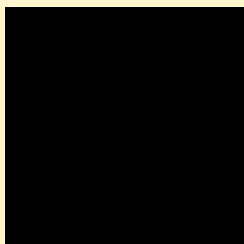
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.2152, 91.5793, 70.9429

Background



This preview shows how black text looks on a background with the XYZ color 85.2152, 91.5793, 70.9429.



This preview shows how white text looks on a background with the XYZ color 85.2152, 91.5793,

70.9429.

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

85.2152, 91.5793, 70.9429

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

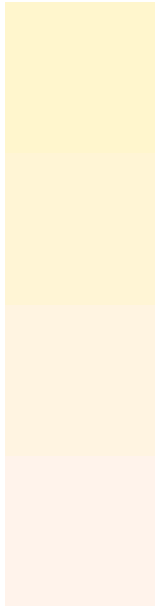
88.5767, 91.4756, 93.1088



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

85.2152, 91.5793, 70.9429

Protanomaly

85.9026, 91.3689, 76.0592

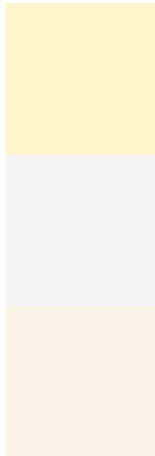
Deuteranomaly

87.1813, 91.3976, 84.2807

Tritanomaly

88.2860, 91.3593, 91.5782

Monochromacy



Original Color

85.2152, 91.5793, 70.9429

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.6467, 90.9744, 87.9087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2152, 91.5793, 70.9429 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, 246, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 205)  
}
```

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, 246, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 205) }
```

Border

The CSS property to change the border of an element to XYZ 85.2152, 91.5793, 70.9429 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, 246, 205) }
```


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

```
.border{ border-color:rgb(255, 246, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2152, 91.5793, 70.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 205) }
```

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

```
.background{ background-color: rgb(255,  
246, 205) }
```

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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