

Converting Colors

XYZ(155.7081, 237.0976,
96.2575)

Have a look what the booklet for
XYZ(155.7081, 237.0976, 96.2575)
contains.

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Color

**XYZ(84.9066, 95.5691,
72.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFCE
RGB	246, 255, 206
RGB Percent	96%, 100%, 81%
CMY	0.0353, 0.0000, 0.1921
CMYK	0.04, 0.00, 0.19, 0.00
HSL	71°, 100%, 90%
HSV	71°, 19%, 100%
XYZ	84.9066, 95.5691, 72.3641
YIQ	246.7230, 10.3650, -17.1470

Conversions

Conversions Part 2

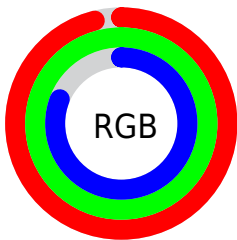
Format	Color
R_{YB}	206, 255, 215
Decimal	16187342
CIE _{Lab}	98.26, -10.96, 22.47
CIE _{LCh}	98, 24.995, 116.000
Yxy	95.5691, 0.3358, 0.3780
Android (android.graphics.Color)	4294377422 (0xFFFF6FFCE)
YUV	246.7230, -20.0764, -0.6341
Hunter-Lab	97.7594, -16.0472, 24.5436

Details

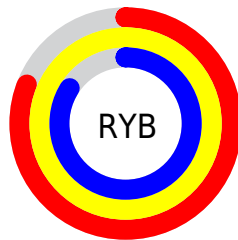
The XYZ color **84.9066, 95.5691, 72.3641** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.1465, 65.8109, 103.7188**, and the grayscale version is **88.3342, 92.9345, 101.2057**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8478, 53.4740, 37.5581** is the 20% darker color. If you saturate the color by 10%, you get **80.4335, 93.5924, 57.2745**, and if you desaturate by 10%, it is **89.9248, 97.7686, 90.1053**.

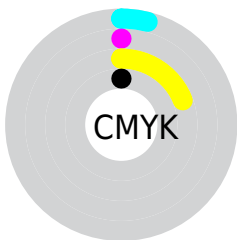
Distribution



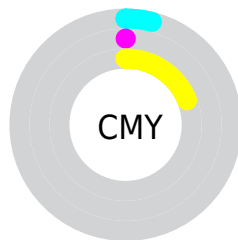
- Red (96%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9066, 95.5691, 72.3641 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 84.9066, 95.5691, 72.3641 by changing the saturation by 10% instead.

84.9066, 95.5691,
72.3641

84.9066, 95.5691,
72.3641

499.8073,
545.9853, 487.8195

64.0864, 72.6087,
52.9675

139.1574,
155.0506, 124.2866

46.9826, 53.6561,
37.3893

173.3187,
192.3405, 157.6495

33.2298, 38.3268,
25.2109

212.6578,
235.1757, 196.5050

22.4626, 26.2364,
16.0138

257.5400,
283.9407, 241.2716

14.3157, 17.0006,
9.3795

308.3307,
339.0197, 292.3678

8.4238, 10.2349,
4.8893

365.3953,

4.4214, 5.5550,

400.7972, 350.2121

2.1249

429.0990,
469.6576, 415.2232

■ 1.9432, 2.5764,
0.6305

■ 0.6017, 0.9148,
0.0000

■ 84.9066, 95.5691,
72.3641

■ 84.9066, 95.5691,
72.3641

■ 80.4335, 93.5924,
57.2745

■ 89.9248, 97.7686,
90.1053

■ 76.4794, 91.8282,
44.7050

95.0500, 100.0000,
108.9000

■ 73.0184, 90.2658,
34.5189

■ 70.0215, 88.8938,
26.5650

■ 67.4563, 87.6991,
20.6748

■ 65.2861, 86.6670,
16.6559

■ 63.4670, 85.7799,
14.2798

■ 61.9334, 85.0116,
13.2021

■ 61.8188, 84.9538,
13.1395

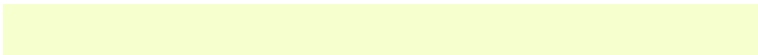
Harmonies

Analogous

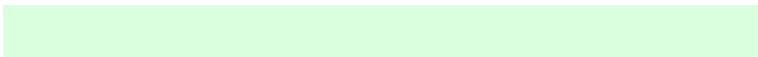
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8036, 95.5691, 69.3365



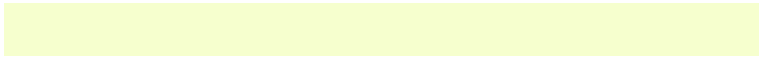
84.9066, 95.5691, 72.3641



79.8454, 95.5691, 83.4442

Triad

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



84.9066, 95.5691, 72.3641



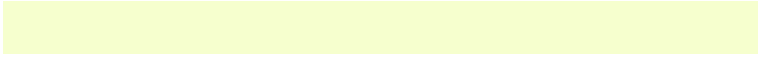
83.3193, 95.5691, 140.4709



105.3423, 95.5691, 106.8456

Complementary

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



84.9066, 95.5691, 72.3641



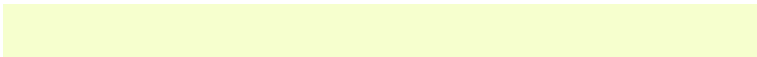
68.1465, 65.8109, 103.7188

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.



102.7906, 95.5691, 127.8156



84.9066, 95.5691, 72.3641



89.8743, 95.5691, 148.7827

Square

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



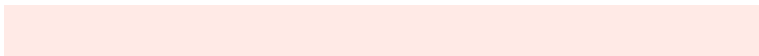
84.9066, 95.5691, 72.3641



78.9635, 95.5691, 122.4057



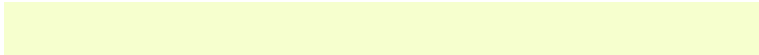
97.0343, 95.5691, 143.8724



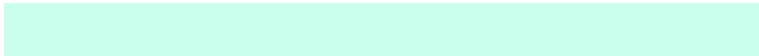
103.8416, 95.5691, 87.6428

Rectangle

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



84.9066, 95.5691, 72.3641



78.0662, 95.5691, 94.7677



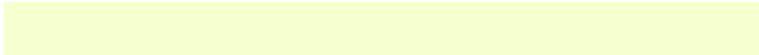
97.0343, 95.5691, 143.8724



104.9266, 95.5691, 113.9375

Sweetspot

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



84.9071, 95.5693, 72.3655



91.6573, 98.5244, 96.3909



76.6775, 74.3096, 68.6957



19.5421, 21.0550, 20.3533



0.0000, 0.0000, 0.0000



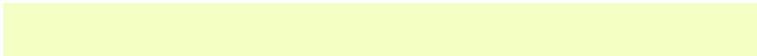
20.3446, 21.4041, 23.3091

Same Dimension

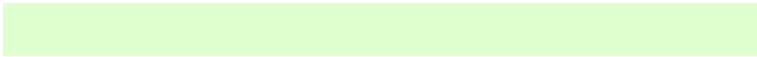
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9071, 95.5693, 72.3655



83.1511, 94.7954, 66.3485



76.8776, 91.4299, 71.9897



19.2148, 20.9122, 19.1681



32.4196, 44.4510, 6.8712



3.2376, 4.3698, 0.6728

Inverse Universe

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



68.1465, 65.8109, 103.7188



63.6352, 60.1409, 102.8622



75.8820, 69.7987, 104.0808



17.3142, 17.5382, 22.7226



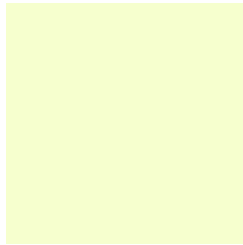
10.1289, 4.1321, 49.6983



1.0659, 0.4434, 4.8427

Previews

White Background



This preview shows how the XYZ color 84.9066, 95.5691, 72.3641 looks on a white background.

Color Contrast Check

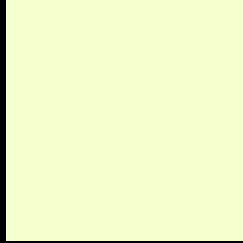
Large Text (above 18pt) WCAG AA × Fail

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 84.9066, 95.5691, 72.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

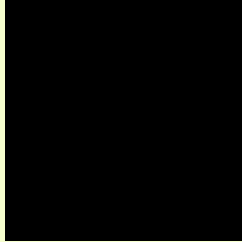
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.9066, 95.5691, 72.3641

Background



This preview shows how black text looks on a background with the XYZ color 84.9066, 95.5691, 72.3641.



This preview shows how white text looks on a background with the XYZ color 84.9066, 95.5691,

72.3641.

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

84.9066, 95.5691, 72.3641

Protanopia

90.4210, 95.6294, 92.2899

Deuteranopia

91.5971, 95.6039, 100.0119

Tritanopia

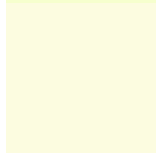
91.7093, 95.4806, 108.2037

Trichromacy



Original Color

84.9066, 95.5691, 72.3641



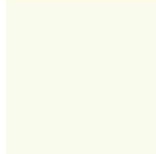
Protanomaly

88.4098, 95.6981, 84.3329



Deuteranomaly

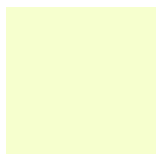
89.0659, 95.4593, 89.3325



Tritanomaly

88.8502, 95.2485, 93.8227

Monochromacy



Original Color

84.9066, 95.5691, 72.3641



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.1089, 93.9716, 89.8911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9066, 95.5691, 72.3641 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(246, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 206)  
}
```

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(246, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 84.9066, 95.5691, 72.3641 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(246, 255, 206) }
```


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

```
.border{ border-color:rgb(246, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9066, 95.5691, 72.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 206) }
```

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

```
.background{ background-color: rgb(246,  
255, 206) }
```

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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