

Converting Colors

XYZ(83.4808, 94.8619, 71.0370)

Have a look what the booklet for
XYZ(83.4808, 94.8619, 71.0370)
contains.

XYZ(83.6212, 94.9343, 71.0436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.6212, 94.9343,
71.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFCC
RGB	243, 255, 204
RGB Percent	95%, 100%, 80%
CMY	0.0471, 0.0000, 0.2000
CMYK	0.05, 0.00, 0.20, 0.00
HSL	74°, 100%, 90%
HSV	74°, 20%, 100%
XYZ	83.6212, 94.9343, 71.0436
YIQ	245.5980, 9.2190, -18.4050

Conversions

Conversions Part 2

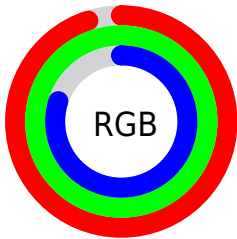
Format	Color
RYB	204, 255, 216
Decimal	15990732
CIELab	98.01, -12.31, 23.10
CIELCh	98, 26.171, 118.051
Yxy	94.9343, 0.3350, 0.3803
Android (android.graphics.Color)	4294180812 (0xFFFF3FFCC)
YUV	245.5980, -20.5078, -2.2784
Hunter-Lab	97.4342, -17.3155, 24.9730

Details

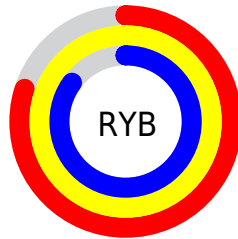
The XYZ color **83.6212, 94.9343, 71.0436** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.9627, 65.0059, 103.5731**, and the grayscale version is **87.4270, 91.9800, 100.1663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1926, 53.1550, 36.6795** is the 20% darker color. If you saturate the color by 10%, you get **78.7717, 92.7592, 56.1369**, and if you desaturate by 10%, it is **89.0402, 97.3451, 88.5935**.

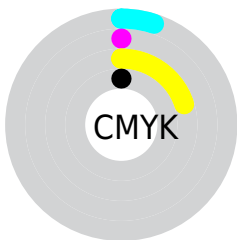
Distribution



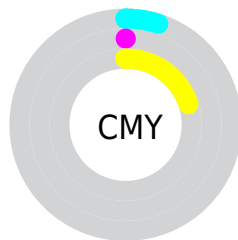
- Red (95%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6212, 94.9343, 71.0436 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 83.6212, 94.9343, 71.0436 by changing the saturation by 10% instead.


 83.6212, 94.9343,
71.0436

 83.6212, 94.9343,
71.0436


495.6072,
543.9546, 483.0936

 63.0214, 72.0803,
51.8957


137.3692,
154.1738, 122.3908

 46.1172, 53.2243,
36.5403


171.2481,
191.3282, 155.4273

 32.5434, 37.9818,
24.5588

210.2840,
234.0180, 193.9303

 21.9344, 25.9686,
15.5326

254.8424,
282.6279, 238.3185

 13.9250, 16.8001,
9.0433

305.2885,
337.5420, 289.0104

 8.1499, 10.0921,
4.6722

361.9878,

 4.2436, 5.4601,

399.1450, 346.4245

2.0009

425.3055,
467.8210, 410.9794

■ 1.8409, 2.5196,
0.5558

■ 0.5421, 0.8864,
0.0000

■ 83.6212, 94.9343,
71.0436

■ 83.6212, 94.9343,
71.0436

■ 78.7717, 92.7592,
56.1369

■ 89.0402, 97.3451,
88.5935

■ 74.4652, 90.8090,
43.7411

95.0500, 100.0000,
108.9000

■ 70.6752, 89.0731,
33.7186

■ 67.3721, 87.5396,
25.9169

■ 64.5229, 86.1951,
20.1660

■ 62.0901, 85.0246,
16.2711

■ 60.0287, 84.0101,
14.0001

■ 58.2661, 83.1223,
12.9733

■ 58.2659, 83.1222,
12.9733

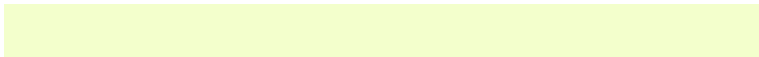
Harmonies

Analogous

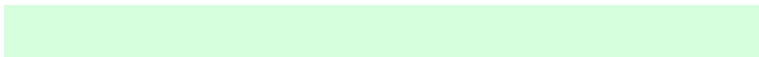
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7234, 94.9343, 67.3509



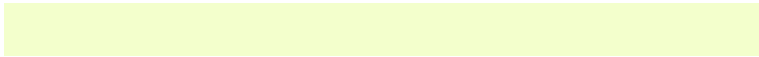
83.6212, 94.9343, 71.0436



78.5441, 94.9343, 83.0225

Triad

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



83.6212, 94.9343, 71.0436



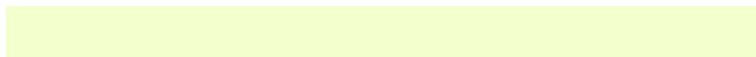
82.8165, 94.9343, 142.5073



105.4207, 94.9343, 104.7780

Complementary

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



83.6212, 94.9343, 71.0436



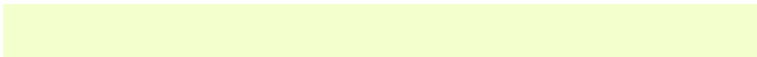
67.9627, 65.0059, 103.5731

Split Complementary

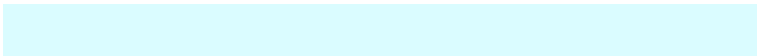
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0259, 94.9343, 126.7907



83.6212, 94.9343, 71.0436



89.7427, 94.9343, 150.3652

Square

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



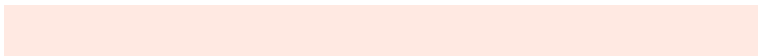
83.6212, 94.9343, 71.0436



78.0979, 94.9343, 124.0239



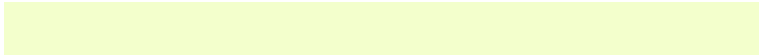
97.1828, 94.9343, 144.2540



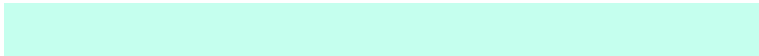
103.5625, 94.9343, 85.1420

Rectangle

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



83.6212, 94.9343, 71.0436



76.8503, 94.9343, 95.0525



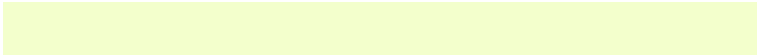
97.1828, 94.9343, 144.2540



105.0838, 94.9343, 112.1535

Sweetspot

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



83.6217, 94.9345, 71.0450



91.3716, 98.3771, 96.3775



76.6700, 74.6811, 67.5021



19.4744, 21.0201, 20.3501



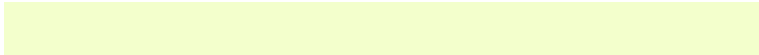
0.0000, 0.0000, 0.0000



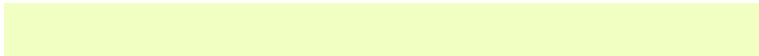
20.3446, 21.4041, 23.3091

Same Dimension

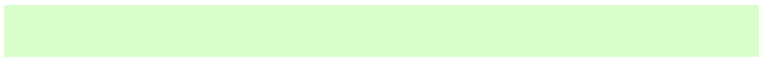
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6217, 94.9345, 71.0450



81.6144, 94.0366, 64.7706



75.4538, 90.7238, 70.6627



19.1189, 20.8627, 19.1636



30.5840, 43.5047, 6.7853



3.0739, 4.2854, 0.6652

Inverse Universe

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



67.9627, 65.0059, 103.5731



63.3659, 59.1535, 102.6858



76.0559, 69.1781, 103.9519



17.4030, 17.5840, 22.7268



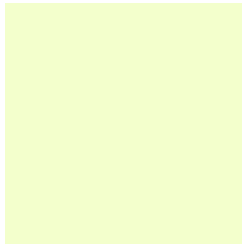
10.5137, 4.3305, 49.7163



1.1153, 0.4689, 4.8450

Previews

White Background



This preview shows how the XYZ color 83.6212, 94.9343, 71.0436 looks on a white background.

Color Contrast Check

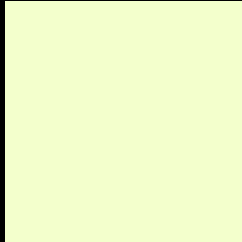
Large Text (above 18pt) WCAG AA × Fail

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 83.6212, 94.9343, 71.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

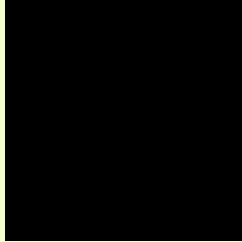
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

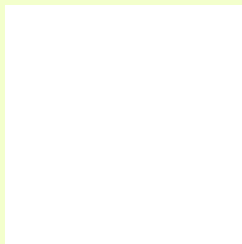
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6212, 94.9343, 71.0436

Background



This preview shows how black text looks on a background with the XYZ color 83.6212, 94.9343, 71.0436.



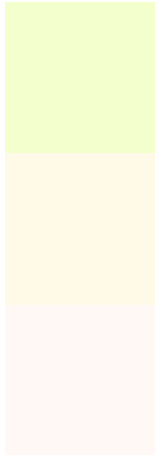
This preview shows how white text looks on a background with the XYZ color 83.6212, 94.9343,

71.0436.

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

83.6212, 94.9343, 71.0436

Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

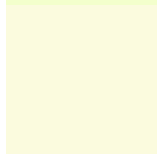
91.0417, 94.6788, 108.0842

Trichromacy



Original Color

83.6212, 94.9343, 71.0436



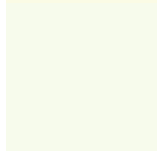
Protanomaly

87.4657, 94.7775, 82.7912



Deuteranomaly

88.4237, 95.1607, 87.8362



Tritanomaly

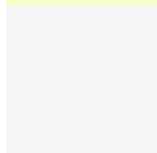
87.9953, 94.8246, 93.0220

Monochromacy



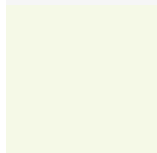
Original Color

83.6212, 94.9343, 71.0436



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

85.9557, 92.9334, 89.0089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6212, 94.9343, 71.0436 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(243, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 83.6212, 94.9343, 71.0436 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(243, 255, 204) }
```


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

```
.border{ border-color:rgb(243, 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(243, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6212, 94.9343, 71.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 204) }
```

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

```
.background{ background-color: rgb(243,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor