

Converting Colors

XYZ(83.6531, 94.9163, 72.9528)

Have a look what the booklet for
XYZ(83.6531, 94.9163, 72.9528)
contains.

XYZ(83.6404, 94.9022, 72.9411)	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(83.6404, 94.9022,
72.9411)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFCF
RGB	242, 255, 207
RGB Percent	95%, 100%, 81%
CMY	0.0510, 0.0000, 0.1882
CMYK	0.05, 0.00, 0.19, 0.00
HSL	76°, 100%, 91%
HSV	76°, 19%, 100%
XYZ	83.6404, 94.9022, 72.9411
YIQ	245.6410, 7.6600, -17.6840

Conversions

Conversions Part 2

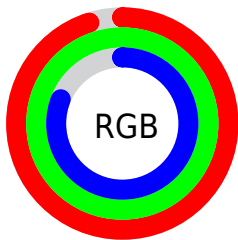
Format	Color
R_{YB}	207, 255, 220
Decimal	15925199
CIE _{Lab}	97.99, -12.21, 21.54
CIE _{LCh}	98, 24.766, 119.553
Yxy	94.9022, 0.3326, 0.3774
Android (android.graphics.Color)	4294115279 (0xFFFF2FFCF)
YUV	245.6410, -19.0500, -3.1932
Hunter-Lab	97.4178, -17.2255, 23.7993

Details

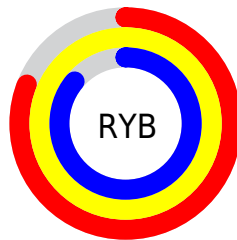
The XYZ color **83.6404, 94.9022, 72.9411** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.8789, 67.0625, 103.8691**, and the grayscale version is **87.4513, 92.0056, 100.1940**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1936, 53.1272, 37.9569** is the 20% darker color. If you saturate the color by 10%, you get **78.4443, 92.5551, 57.7171**, and if you desaturate by 10%, it is **89.4307, 97.4974, 90.8238**.

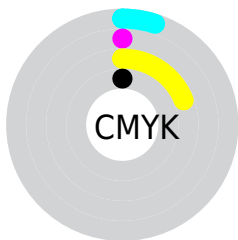
Distribution



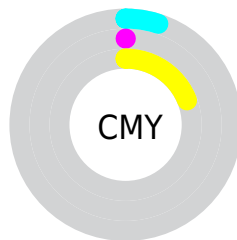
- Red (95%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (86%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6404, 94.9022, 72.9411 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 83.6404, 94.9022, 72.9411 by changing the saturation by 10% instead.


 83.6404, 94.9022,
72.9411

 83.6404, 94.9022,
72.9411


495.6700,
543.8518, 489.8760

 63.0373, 72.0536,
53.4363


137.3959,
154.1295, 125.1137

 46.1301, 53.2024,
37.7611


171.2790,
191.2769, 158.6186

 32.5536, 37.9644,
25.4969


210.3195,
233.9595, 197.6273

 21.9423, 25.9551,
16.2253

254.8827,
282.5614, 242.5582

 13.9309, 16.7900,
9.5276

305.3340,
337.4673, 293.8300

 8.1540, 10.0849,
4.9854

362.0388,

 4.2463, 5.4553,

399.0613, 351.8612

2.1801

425.3623,
467.7281, 417.0704

■ 1.8424, 2.5168,
0.6629

■ 0.5430, 0.8850,
0.0000

■ 83.6404, 94.9022,
72.9411

■ 83.6404, 94.9022,
72.9411

■ 78.4443, 92.5551,
57.7171

■ 89.4307, 97.4974,
90.8238

■ 73.8157, 90.4452,
45.0206

95.0500, 100.0000,
108.9000

■ 69.7279, 88.5617,
34.7153

■ 66.1514, 86.8928,
26.6506

■ 63.0533, 85.4251,
20.6588

■ 60.3963, 84.1435,
16.5484

■ 58.1361, 83.0304,
14.0927

■ 56.2093, 82.0601,
12.9629

■ 55.9948, 81.9514,
12.8670

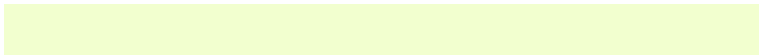
Harmonies

Analogous

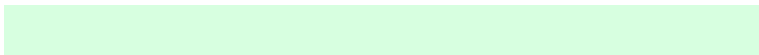
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3082, 94.9022, 68.9870



83.6404, 94.9022, 72.9411



78.9469, 94.9022, 84.7750

Triad

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



83.6404, 94.9022, 72.9411



83.4651, 94.9022, 140.7977



104.5394, 94.9022, 103.6377

Complementary

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



83.6404, 94.9022, 72.9411



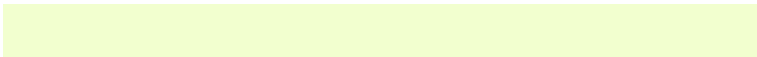
69.8789, 67.0625, 103.8691

Split Complementary

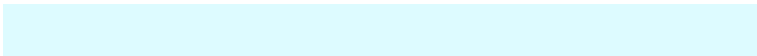
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.4783, 94.9022, 124.4176



83.6404, 94.9022, 72.9411



90.0952, 94.9022, 147.5212

Square

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



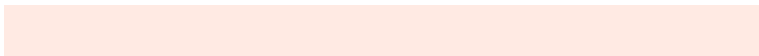
83.6404, 94.9022, 72.9411



78.8495, 94.9022, 123.8206



97.0975, 94.9022, 141.1729



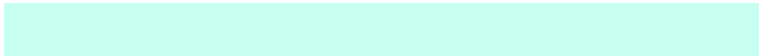
102.5943, 94.9022, 85.2389

Rectangle

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



83.6404, 94.9022, 72.9411



77.4425, 94.9022, 96.4098



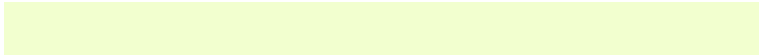
97.0975, 94.9022, 141.1729



104.2906, 94.9022, 110.5786

Sweetspot

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



83.6410, 94.9025, 72.9425



91.1756, 98.2760, 96.3683



78.0439, 76.8474, 69.7525



19.4280, 20.9962, 20.3479



0.0000, 0.0000, 0.0000



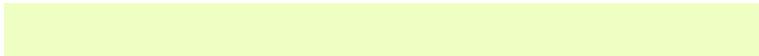
20.3446, 21.4041, 23.3091

Same Dimension

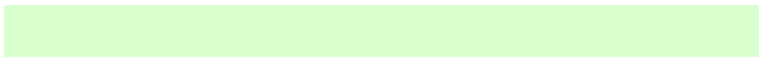
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6410, 94.9025, 72.9425



81.3995, 93.8924, 66.2665



75.9965, 90.9616, 72.5847



19.0532, 20.8289, 19.1605



29.4088, 42.8989, 6.7303



2.9680, 4.2308, 0.6602

Inverse Universe

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



69.8789, 67.0625, 103.8691



65.0879, 60.8898, 102.9301



77.6024, 71.0441, 104.2305



17.4645, 17.6157, 22.7296



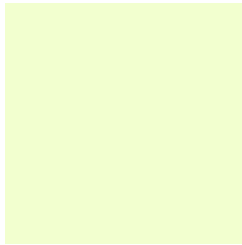
10.8372, 4.4973, 49.7315



1.1543, 0.4890, 4.8468

Previews

White Background



This preview shows how the XYZ color 83.6404, 94.9022, 72.9411 looks on a white background.

Color Contrast Check

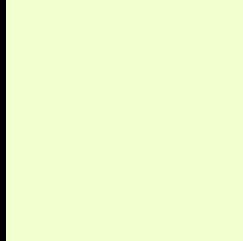
Large Text (above 18pt) WCAG AA × Fail

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 83.6404, 94.9022, 72.9411 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

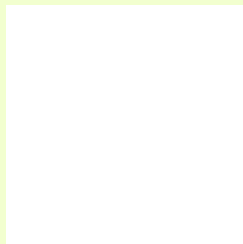
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6404, 94.9022, 72.9411

Background



This preview shows how black text looks on a background with the XYZ color 83.6404, 94.9022, 72.9411.



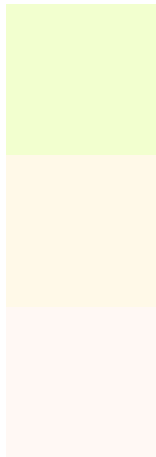
This preview shows how white text looks on a background with the XYZ color 83.6404, 94.9022,

72.9411.

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

83.6404, 94.9022, 72.9411

Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

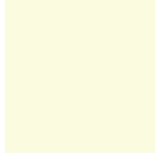
91.0417, 94.6788, 108.0842

Trichromacy



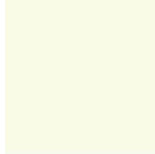
Original Color

83.6404, 94.9022, 72.9411



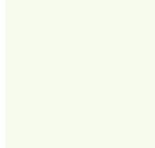
Protanomaly

87.2408, 94.6461, 83.4825



Deuteranomaly

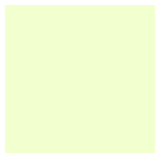
88.3453, 95.0879, 89.2988



Tritanomaly

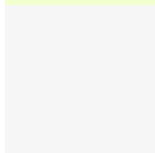
88.2876, 94.9416, 94.5612

Monochromacy



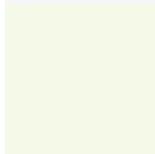
Original Color

83.6404, 94.9022, 72.9411



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.0974, 92.9900, 89.7550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6404, 94.9022, 72.9411 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(242, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 207)  
}
```

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(242, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 83.6404, 94.9022, 72.9411 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(242, 255, 207) }
```


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

```
.border{ border-color:rgb(242, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6404, 94.9022, 72.9411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 207) }
```

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

```
.background{ background-color: rgb(242,  
255, 207) }
```

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