

Converting Colors

XYZ(83.3576, 94.0061, 71.9100)

Have a look what the booklet for
XYZ(83.3576, 94.0061, 71.9100)
contains.

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Color

**XYZ(83.2280, 93.7615,
72.1037)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FDCE
RGB	243, 253, 206
RGB Percent	95%, 99%, 81%
CMY	0.0471, 0.0078, 0.1921
CMYK	0.04, 0.00, 0.19, 0.01
HSL	73°, 92%, 90%
HSV	73°, 19%, 99%
XYZ	83.2280, 93.7615, 72.1037
YIQ	244.6520, 9.1270, -16.7370

Conversions

Conversions Part 2

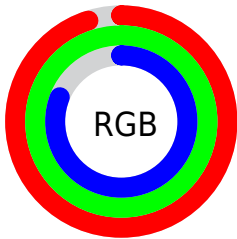
Format	Color
R _Y B	206, 253, 216
Decimal	15990222
CIE Lab	97.54, -11.03, 21.43
CIE LCh	98, 24.096, 117.234
Yxy	93.7615, 0.3341, 0.3764
Android (android.graphics.Color)	4294180302 (0xFFF3FDCE)
YUV	244.6520, -19.0554, -1.4488
Hunter-Lab	96.8305, -16.0287, 23.6318

Details

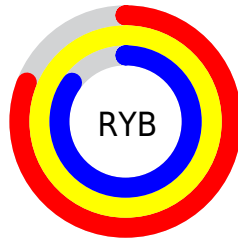
The XYZ color **83.2280, 93.7615, 72.1037** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.1235, 65.8359, 102.0508**, and the grayscale version is **86.6567, 91.1696, 99.2837**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9009, 52.3116, 37.3837** is the 20% darker color. If you saturate the color by 10%, you get **78.5679, 91.6890, 57.1124**, and if you desaturate by 10%, it is **88.4424, 96.0683, 89.7073**.

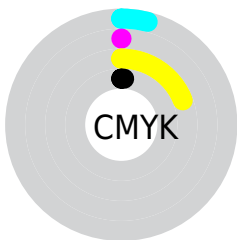
Distribution



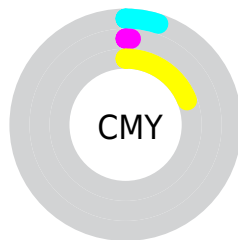
- Red (95%)
- Green (99%)
- Blue (81%)



- Red (81%)
- Yellow (99%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (5%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2280, 93.7615, 72.1037 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 83.2280, 93.7615, 72.1037 by changing the saturation by 10% instead.


 83.2280, 93.7615,
72.1037

 83.2280, 93.7615,
72.1037


494.3185,
540.1924, 486.8897

 62.6958, 71.1046,
52.7560


136.8216,
152.5525, 123.9130

 45.8529, 52.4276,
37.2217


170.6137,
189.4553, 157.2118

 32.3339, 37.3460,
25.0820


209.5566,
231.8756, 195.9980

 21.7734, 25.4755,
15.9186

254.0154,
280.1977, 240.6902

 13.8062, 16.4317,
9.3128

304.3557,
334.8061, 291.7069

 8.0668, 9.8301,
4.8462

360.9428,

 4.1899, 5.2865,

396.0850, 349.4667

2.1002

424.1419,
464.4190, 414.3881

■ 1.8101, 2.4163,
0.6159

■ 0.5237, 0.8343,
0.0000

■ 83.2280, 93.7615,
72.1037

■ 83.2280, 93.7615,
72.1037

■ 78.5679, 91.6890,
57.1124

■ 88.4424, 96.0683,
89.7073

■ 74.4307, 89.8288,
44.6029

■ 93.9668, 98.5023,
108.6680

■ 70.7926, 88.1744,
34.4426

■ 94.4172, 98.7345,
108.6891

■ 67.6253, 86.7145,
26.4840

■ 64.8972, 85.4363,
20.5631

■ 62.5722, 84.3254,
16.4930

■ 60.6079, 83.3648,
14.0524

■ 58.9440, 82.5302,
12.9265

■ 58.7204, 82.4172,
12.8132

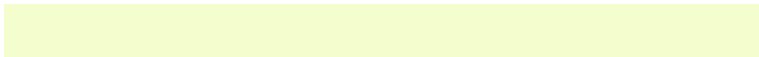
Harmonies

Analogous

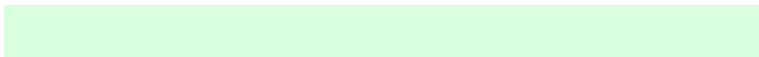
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7543, 93.7615, 68.8735



83.2280, 93.7615, 72.1037



78.5000, 93.7615, 83.0153

Triad

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



83.2280, 93.7615, 72.1037



82.1811, 93.7615, 137.1874



102.9236, 93.7615, 103.9206

Complementary

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



83.2280, 93.7615, 72.1037



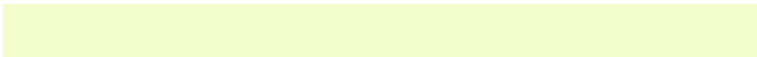
68.1235, 65.8359, 102.0508

Split Complementary

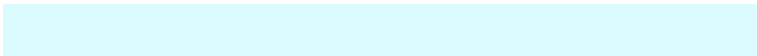
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.6517, 93.7615, 123.8841



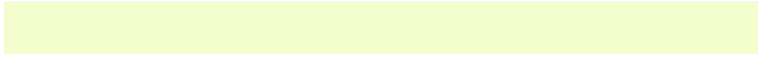
83.2280, 93.7615, 72.1037



88.4837, 93.7615, 144.5674

Square

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



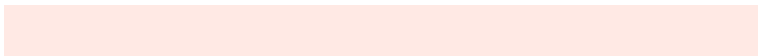
83.2280, 93.7615, 72.1037



77.9176, 93.7615, 120.3334



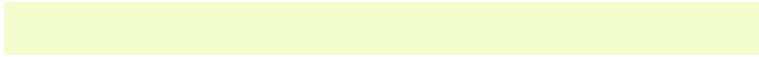
95.2785, 93.7615, 139.4150



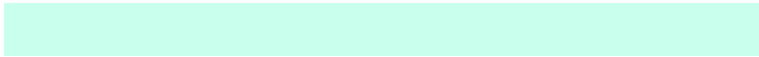
101.3423, 93.7615, 85.7911

Rectangle

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



83.2280, 93.7615, 72.1037



76.8854, 93.7615, 93.9840



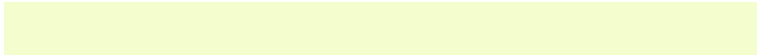
95.2785, 93.7615, 139.4150



102.5826, 93.7615, 110.6499

Sweetspot

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



83.2305, 93.7656, 72.1057



91.4956, 98.4410, 96.3833



76.0543, 74.1465, 68.6971



19.5038, 21.0352, 20.3515



0.0000, 0.0000, 0.0000



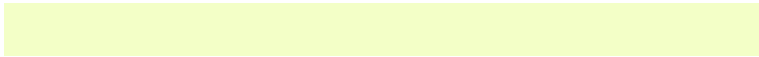
20.3446, 21.4041, 23.3091

Same Dimension

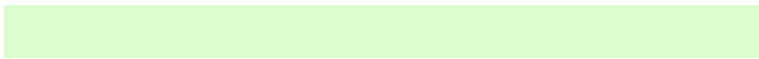
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2305, 93.7656, 72.1057



83.0395, 94.7040, 67.8750



75.8145, 89.9426, 71.7587



19.1605, 20.8842, 19.1655



31.3627, 43.9061, 6.8217



3.1436, 4.3214, 0.6684

Inverse Universe

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



68.1235, 65.8359, 102.0508



65.2690, 61.8463, 103.1052



75.3669, 69.5700, 102.3898



17.3643, 17.5640, 22.7249



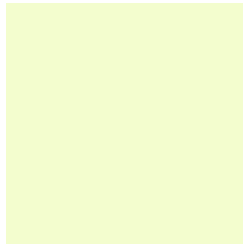
10.3344, 4.2381, 49.7079



1.0928, 0.4573, 4.8439

Previews

White Background



This preview shows how the XYZ color 83.2280, 93.7615, 72.1037 looks on a white background.

Color Contrast Check

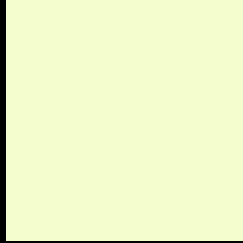
Large Text (above 18pt) WCAG AA × Fail

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 83.2280, 93.7615, 72.1037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

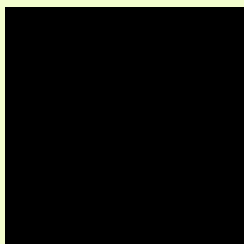
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

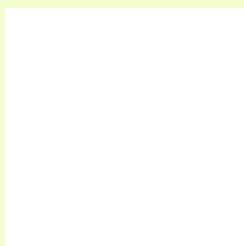
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2280, 93.7615, 72.1037

Background



This preview shows how black text looks on a background with the XYZ color 83.2280, 93.7615, 72.1037.

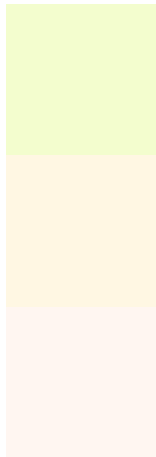


This preview shows how white text looks on a background with the XYZ color 83.2280, 93.7615,

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

83.2280, 93.7615, 72.1037

Protanopia

88.3659, 93.3276, 86.0297

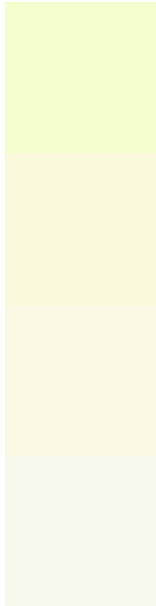
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

90.3777, 93.8813, 107.9652

Trichromacy



Original Color

83.2280, 93.7615, 72.1037

Protanomaly

86.4455, 93.3751, 80.4849

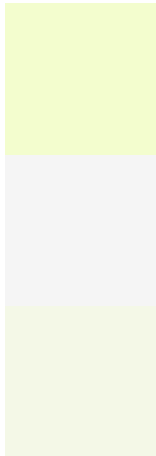
Deuteranomaly

87.6629, 93.8620, 86.8956

Tritanomaly

87.5195, 93.6399, 93.5823

Monochromacy



Original Color

83.2280, 93.7615, 72.1037

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.2994, 92.1374, 88.8898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2280, 93.7615, 72.1037 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, 253, 206)` looks like.

```
.text, #text, p{  
    color:rgb(243, 253, 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(243, 253, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 253, 206) }
```

Border

The CSS property to change the border of an element to XYZ 83.2280, 93.7615, 72.1037 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, 253, 206) }
```


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

```
.border{ border-color:rgb(243, 253, 206) }
```

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

Here you see how a box with a 4 pixel rgb(243, 253, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 253, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 253, 206);  
box-shadow:4px 4px 4px 4px rgb(243, 253,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2280, 93.7615, 72.1037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 253, 206) }
```

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

```
.background{ background-color: rgb(243,  
253, 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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