

Converting Colors

XYZ(83.1023, 94.5368, 76.8345)

Have a look what the booklet for
XYZ(83.1023, 94.5368, 76.8345)
contains.

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Color

**XYZ(83.0301, 94.5012,
76.8152)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFD5
RGB	238, 255, 213
RGB Percent	93%, 100%, 84%
CMY	0.0667, 0.0000, 0.1647
CMYK	0.07, 0.00, 0.16, 0.00
HSL	84°, 100%, 92%
HSV	84°, 16%, 100%
XYZ	83.0301, 94.5012, 76.8152
YIQ	245.1290, 3.3500, -16.6660

Conversions

Conversions Part 2

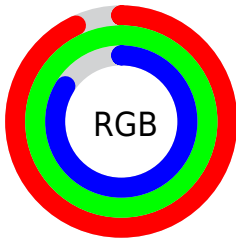
Format	Color
R _Y B	213, 255, 230
Decimal	15663061
CIE Lab	97.83, -12.69, 18.22
CIE LCh	98, 22.205, 124.855
Yxy	94.5012, 0.3264, 0.3715
Android (android.graphics.Color)	4293853141 (0xFFEEFFD5)
YUV	245.1290, -15.8396, -6.2521
Hunter-Lab	97.2117, -17.6608, 21.1982

Details

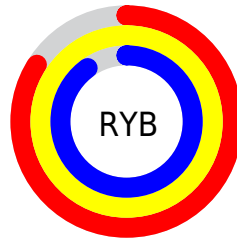
The XYZ color **83.0301, 94.5012, 76.8152** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.4783, 71.6327, 104.5088**, and the grayscale version is **87.0158, 91.5474, 99.6951**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6570, 52.8019, 40.1331** is the 20% darker color. If you saturate the color by 10%, you get **76.6768, 91.5710, 60.9297**, and if you desaturate by 10%, it is **90.0923, 97.7380, 95.3932**.

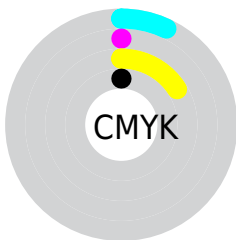
Distribution



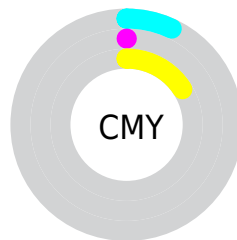
- Red (93%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0301, 94.5012, 76.8152 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 83.0301, 94.5012, 76.8152 by changing the saturation by 10% instead.


 83.0301, 94.5012,
76.8152

 83.0301, 94.5012,
76.8152

493.6692,
542.5669, 503.5546

 62.5320, 71.7199,
56.5906

136.5459,
153.5753, 130.6492

 45.7199, 52.9299,
40.2694


170.2943,
190.6369, 165.0957

 32.2285, 37.7468,
27.4333


209.1902,
233.2274, 205.1198

 21.6925, 25.7862,
17.6636

253.5989,
281.7312, 251.1402

 13.7465, 16.6638,
10.5418

303.8859,
336.5326, 303.5753

 8.0251, 9.9951,
5.6494

360.4163,

 4.1629, 5.3957,

398.0161, 362.8437

2.5678

423.5556,
466.5661, 429.3640

■ 1.7947, 2.4812,
0.8757

■ 0.5145, 0.8672,
0.0000

■ 83.0301, 94.5012,
76.8152

■ 83.0301, 94.5012,
76.8152

■ 76.6768, 91.5710,
60.9297

■ 90.0923, 97.7380,
95.3932

■ 71.0037, 88.9354,
47.6073

95.0500, 100.0000,
108.9000

■ 65.9821, 86.5826,
36.7146

■ 61.5809, 84.4997,
28.1039

■ 57.7653, 82.6724,
21.6121

■ 54.4966, 81.0849,
17.0539

■ 51.7299, 79.7186,
14.2124

■ 49.4096, 78.5509,
12.8162

■ 48.6689, 78.1748,
12.5241

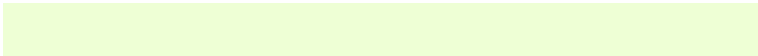
Harmonies

Analogous

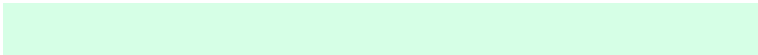
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7925, 94.5012, 71.8724



83.0301, 94.5012, 76.8152



79.2277, 94.5012, 88.7579

Triad

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



83.0301, 94.5012, 76.8152



84.7379, 94.5012, 137.8587



102.5275, 94.5012, 99.9683

Complementary

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



83.0301, 94.5012, 76.8152



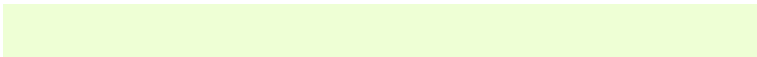
74.4783, 71.6327, 104.5088

Split Complementary

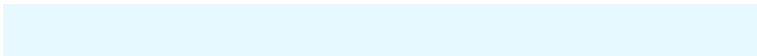
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3178, 94.5012, 118.4604



83.0301, 94.5012, 76.8152



90.8565, 94.5012, 141.7650

Square

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



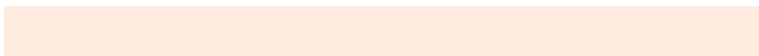
83.0301, 94.5012, 76.8152



80.1807, 94.5012, 124.1732



96.9715, 94.5012, 134.2978



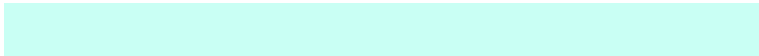
100.2036, 94.5012, 84.1993

Rectangle

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



83.0301, 94.5012, 76.8152



78.2144, 94.5012, 99.7954



96.9715, 94.5012, 134.2978



102.5216, 94.5012, 106.0597

Sweetspot

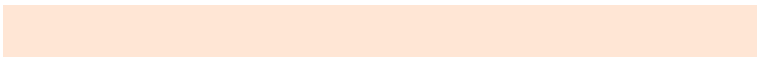
The Sweet Spot groups the original color and five complimentary colors.



83.0307, 94.5015, 76.8166



91.1914, 98.2402, 98.3573



81.4920, 82.5473, 74.5903



19.4058, 20.9759, 20.7476



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

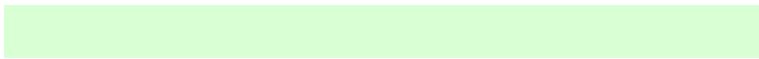
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0307, 94.5015, 76.8166



80.7082, 93.4326, 70.9073



76.4458, 91.1069, 76.5084



18.8084, 20.7027, 19.1490



25.6040, 40.9374, 6.5522



2.6167, 4.0497, 0.6438

Inverse Universe

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



74.4783, 71.6327, 104.5088



70.5829, 66.3559, 103.6956



81.5565, 75.2817, 104.8401



17.6991, 17.7366, 22.7406



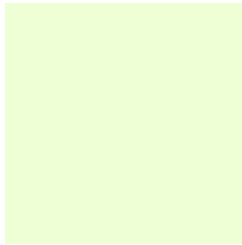
12.5253, 5.3675, 49.8105



1.3393, 0.5844, 4.8555

Previews

White Background



This preview shows how the XYZ color 83.0301, 94.5012, 76.8152 looks on a white background.

Color Contrast Check

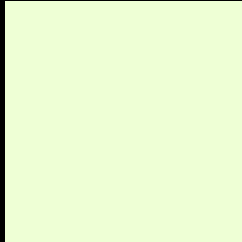
Large Text (above 18pt) WCAG AA × Fail

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 83.0301, 94.5012, 76.8152 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

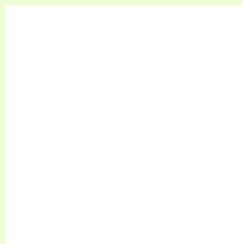
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0301, 94.5012, 76.8152

Background



This preview shows how black text looks on a background with the XYZ color 83.0301, 94.5012, 76.8152.



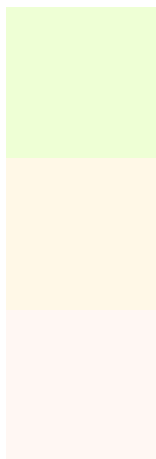
This preview shows how white text looks on a background with the XYZ color 83.0301, 94.5012,

76.8152.

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

83.0301, 94.5012, 76.8152

Protanopia

89.2312, 94.1643, 89.0738

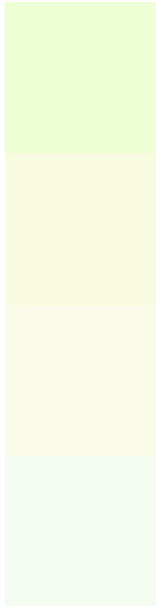
Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

90.3288, 94.3113, 108.0508

Trichromacy



Original Color

83.0301, 94.5012, 76.8152

Protanomaly

87.0186, 94.5159, 84.1780

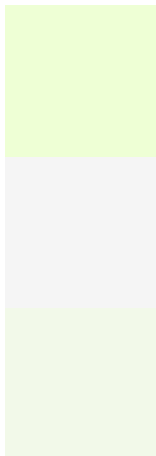
Deuteranomaly

87.8180, 94.3371, 89.9243

Tritanomaly

87.5336, 94.5187, 96.0685

Monochromacy



Original Color

83.0301, 94.5012, 76.8152

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.2016, 92.5118, 90.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0301, 94.5012, 76.8152 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(238, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 213)  
}
```

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(238, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 83.0301, 94.5012, 76.8152 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(238, 255, 213) }
```


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

```
.border{ border-color:rgb(238, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0301, 94.5012, 76.8152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 213) }
```

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

```
.background{ background-color: rgb(238,  
255, 213) }
```

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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