

Converting Colors

XYZ(77.8290, 91.4914, 70.2134)

Have a look what the booklet for
XYZ(77.8290, 91.4914, 70.2134)
contains.

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Color

**XYZ(77.8999, 91.5263,
70.0605)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FECB
RGB	227, 254, 203
RGB Percent	89%, 100%, 80%
CMY	0.1098, 0.0039, 0.2039
CMYK	0.11, 0.00, 0.20, 0.00
HSL	92°, 96%, 90%
HSV	92°, 20%, 100%
XYZ	77.8999, 91.5263, 70.0605
YIQ	240.1130, 0.2790, -21.5850

Conversions

Conversions Part 2

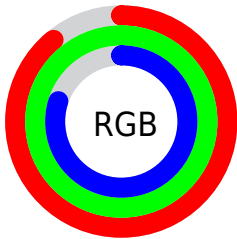
Format	Color
R_{YB}	203, 254, 230
Decimal	14941899
CIE _{Lab}	96.63, -17.54, 21.52
CIE _{LCh}	97, 27.763, 129.183
Yxy	91.5263, 0.3253, 0.3822
Android (android.graphics.Color)	4293131979 (0xFFE3FECB)
YUV	240.1130, -18.2967, -11.5001
Hunter-Lab	95.6694, -22.0757, 23.5494

Details

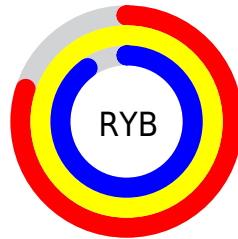
The XYZ color **77.8999, 91.5263, 70.0605** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8821, 66.6931, 102.8552**, and the grayscale version is **83.0537, 87.3789, 95.1557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1857, 50.7604, 36.0081** is the 20% darker color. If you saturate the color by 10%, you get **71.0407, 88.3146, 55.2122**, and if you desaturate by 10%, it is **85.5913, 95.1152, 87.5402**.

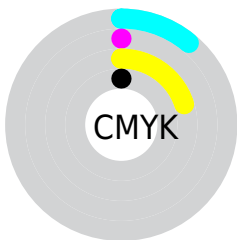
Distribution



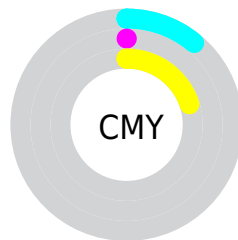
- Red (89%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8999, 91.5263, 70.0605 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 77.8999, 91.5263, 70.0605 by changing the saturation by 10% instead.

77.8999, 91.5263,
70.0605

77.8999, 91.5263,
70.0605

476.6718,
532.9834, 479.5573

58.2943, 69.2472,
51.0987

129.3751,
149.4567, 120.9770

42.2894, 50.9131,
35.9099

161.9754,
185.8768, 153.7687

29.5201, 36.1394,
24.0755

199.6379,
227.7794, 192.0076

19.6209, 24.5419,
15.1769

242.7281,
275.5489, 236.1121

12.2264, 15.7361,
8.7956

291.6112,
329.5696, 286.5008

6.9714, 9.3376,
4.5131

346.6526,

3.4904, 4.9620,

390.2260, 343.5922

1.9109

408.2177,
457.9025, 407.8048

■ 1.4181, 2.2250,
0.4996

■ 0.2690, 0.7336,
0.0000

■ 77.8999, 91.5263,
70.0605

■ 77.8999, 91.5263,
70.0605

■ 71.0407, 88.3146,
55.2122

■ 85.5913, 95.1152,
87.5402

■ 64.9748, 85.4545,
42.8620

■ 94.1375, 99.0821,
107.7641

■ 59.6706, 82.9357,
32.8738

■ 94.7336, 99.3673,
108.7945

■ 55.0915, 80.7425,
25.0961

■ 51.1969, 78.8577,
19.3600

■ 47.9414, 77.2621,
15.4721

■ 45.2721, 75.9335,
13.2015

■ 43.1228, 74.8460,
12.1739

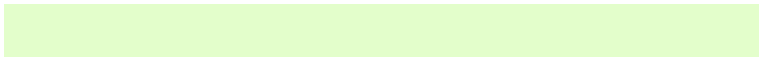
Harmonies

Analogous

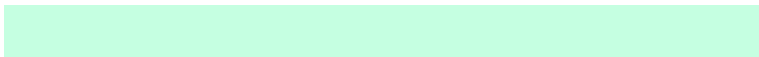
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6327, 91.5263, 63.1356



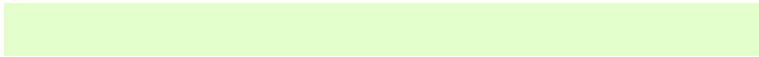
77.8999, 91.5263, 70.0605



73.7747, 91.5263, 85.2250

Triad

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



77.8999, 91.5263, 70.0605



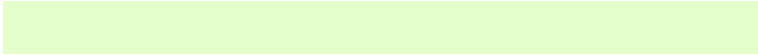
81.7960, 91.5263, 145.1878



102.5742, 91.5263, 92.9893

Complementary

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



77.8999, 91.5263, 70.0605



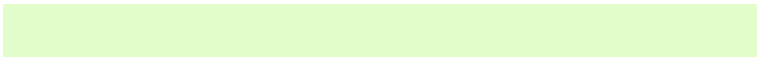
71.8821, 66.6931, 102.8552

Split Complementary

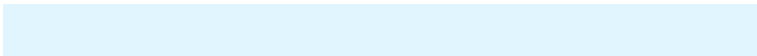
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.7028, 91.5263, 115.6318



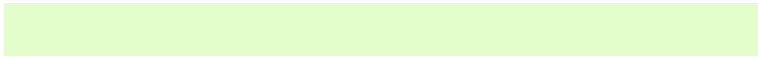
77.8999, 91.5263, 70.0605



89.3968, 91.5263, 148.0886

Square

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



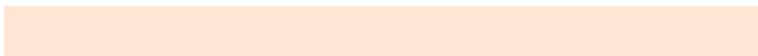
77.8999, 91.5263, 70.0605



75.9294, 91.5263, 129.1755



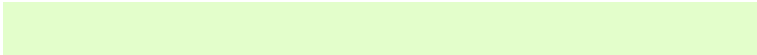
96.7675, 91.5263, 136.5962



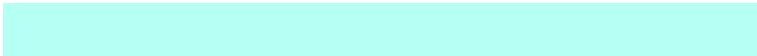
99.0822, 91.5263, 75.0166

Rectangle

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



77.8999, 91.5263, 70.0605



72.9066, 91.5263, 99.0486



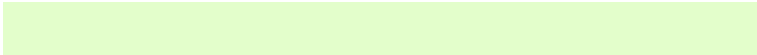
96.7675, 91.5263, 136.5962



102.7862, 91.5263, 100.2670

Sweetspot

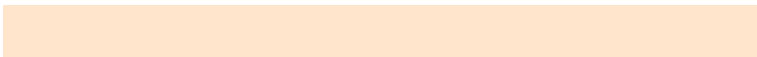
The Sweet Spot groups the original color and five complimentary colors.



77.9023, 91.5303, 70.0625



89.7659, 97.5493, 96.3023



79.7723, 81.6186, 68.0508



19.0946, 20.8243, 20.3323



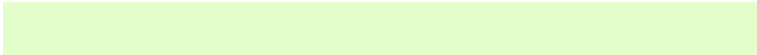
0.0000, 0.0000, 0.0000



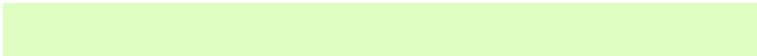
20.3446, 21.4041, 23.3091

Same Dimension

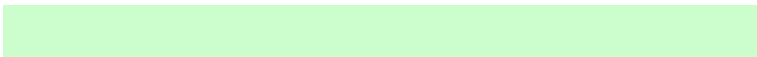
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9023, 91.5303, 70.0625



75.7825, 91.0301, 64.4976



70.9542, 87.9366, 70.2676



18.5843, 20.5871, 19.1385



22.9008, 39.5439, 6.4257



2.3547, 3.9146, 0.6315

Inverse Universe

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



71.8821, 66.6931, 102.8552



68.7251, 61.9162, 102.9366



79.9861, 70.8866, 102.5254



17.9212, 17.8511, 22.7510



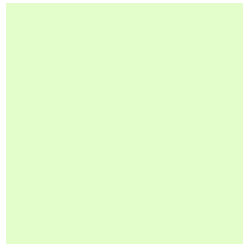
14.8275, 6.5543, 49.9182



1.5699, 0.7032, 4.8663

Previews

White Background



This preview shows how the XYZ color 77.8999, 91.5263, 70.0605 looks on a white background.

Color Contrast Check

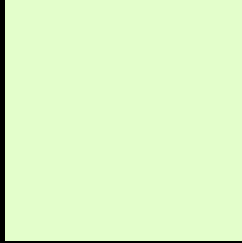
Large Text (above 18pt) WCAG AA × Fail

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 77.8999, 91.5263, 70.0605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

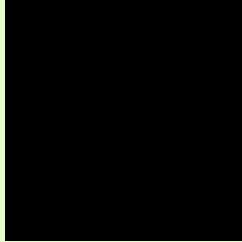
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

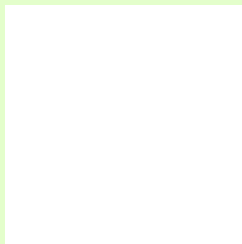
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8999, 91.5263, 70.0605

Background



This preview shows how black text looks on a background with the XYZ color 77.8999, 91.5263, 70.0605.



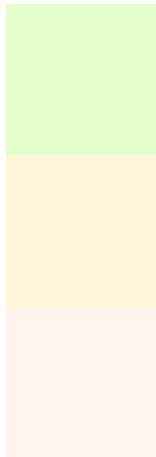
This preview shows how white text looks on a background with the XYZ color 77.8999, 91.5263,

70.0605.

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

77.8999, 91.5263, 70.0605

Protanopia

86.1581, 91.4711, 77.4046

Deuteranopia

88.4309, 91.4173, 92.3414



Tritanopia

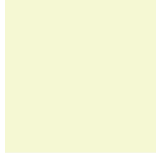
86.9780, 91.2256, 107.6318

Trichromacy



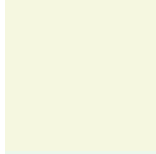
Original Color

77.8999, 91.5263, 70.0605



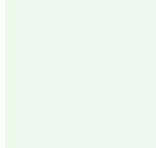
Protanomaly

82.9815, 91.2504, 74.8675



Deuteranomaly

84.3715, 91.3158, 83.6999



Tritanomaly

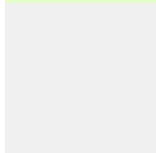
83.2998, 91.0238, 92.5359

Monochromacy



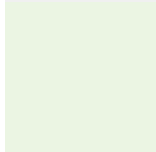
Original Color

77.8999, 91.5263, 70.0605



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7785, 88.5130, 85.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8999, 91.5263, 70.0605 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(227, 254, 203)` looks like.

```
.text, #text, p{  
    color:rgb(227, 254, 203)  
}
```

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(227, 254, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 254, 203) }
```

Border

The CSS property to change the border of an element to XYZ 77.8999, 91.5263, 70.0605 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(227, 254, 203) }
```


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

```
.border{ border-color:rgb(227, 254, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 254, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 254, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 254, 203);  
box-shadow:4px 4px 4px 4px rgb(227, 254,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8999, 91.5263, 70.0605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 254, 203) }
```

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

```
.background{ background-color: rgb(227,  
254, 203) }
```

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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