

Converting Colors

XYZ(116.2616, 168.7207,
82.2385)

Have a look what the booklet for
XYZ(116.2616, 168.7207, 82.2385)
contains.

XYZ(77.7847, 91.9530, 69.5261)	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(77.7847, 91.9530,
69.5261)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFCA
RGB	226, 255, 202
RGB Percent	89%, 100%, 79%
CMY	0.1137, 0.0000, 0.2078
CMYK	0.11, 0.00, 0.21, 0.00
HSL	93°, 100%, 90%
HSV	93°, 21%, 100%
XYZ	77.7847, 91.9530, 69.5261
YIQ	240.2870, -0.2710, -22.6310

Conversions

Conversions Part 2

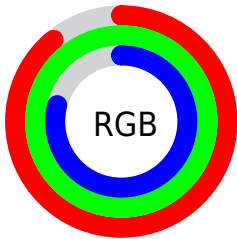
Format	Color
RYB	202, 255, 231
Decimal	14876618
CIELab	96.80, -18.52, 22.26
CIElCh	97, 28.961, 129.766
Yxy	91.9530, 0.3251, 0.3843
Android (android.graphics.Color)	4293066698 (0xFFE2FFCA)
YUV	240.2870, -18.8755, -12.5297
Hunter-Lab	95.8921, -23.0176, 24.1366

Details

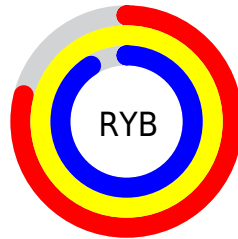
The XYZ color **77.7847, 91.9530, 69.5261** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.1264, 66.4512, 103.6326**, and the grayscale version is **83.1921, 87.5246, 95.3143**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1169, 51.0723, 35.6551** is the 20% darker color. If you saturate the color by 10%, you get **70.8115, 88.6787, 54.7198**, and if you desaturate by 10%, it is **85.6141, 95.6110, 86.9794**.

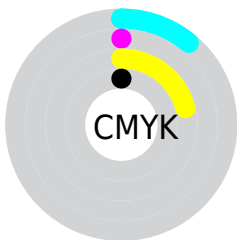
Distribution



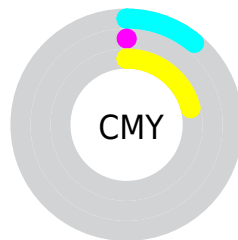
- Red (89%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7847, 91.9530, 69.5261 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 77.7847, 91.9530, 69.5261 by changing the saturation by 10% instead.

77.7847, 91.9530,
69.5261

77.7847, 91.9530,
69.5261

476.2863,
534.3636, 477.6284

58.1993, 69.6016,
50.6659

129.2135,
150.0483, 120.2075

42.2128, 51.2018,
35.5679

161.7877,
186.5609, 152.8657

29.4598, 36.3692,
23.8136

199.4222,
228.5627, 190.9603

19.5749, 24.7195,
14.9845

242.4823,
276.4381, 234.9099

12.1929, 15.8682,
8.6620

291.3334,
330.5715, 285.1329

6.9483, 9.4309,
4.4276

346.3409,

3.4758, 5.0233,

391.3473, 342.0480

1.8627

407.8701,
459.1499, 406.0736

■ 1.4101, 2.2609,
0.4689

■ 0.2634, 0.7529,
0.0000

■ 77.7847, 91.9530,
69.5261

■ 77.7847, 91.9530,
69.5261

■ 70.8115, 88.6787,
54.7198

■ 85.6141, 95.6110,
86.9794

■ 64.6599, 85.7731,
42.4270

■ 94.3289, 99.6652,
107.1959

■ 59.2951, 83.2215,
32.5088

■ 95.0500, 100.0000,
108.9000

■ 54.6789, 81.0073,
24.8112

■ 50.7691, 79.1128,
19.1621

■ 47.5185, 77.5177,
15.3639

■ 44.8717, 76.1988,
13.1801

■ 42.8923, 75.1969,
12.2538

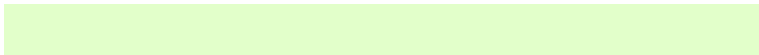
Harmonies

Analogous

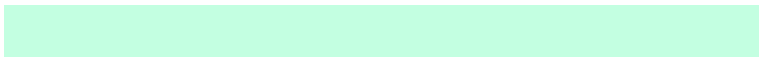
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7762, 91.9530, 62.1945



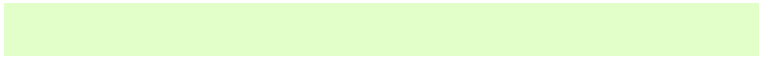
77.7847, 91.9530, 69.5261



73.5487, 91.9530, 85.4349

Triad

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



77.7847, 91.9530, 69.5261



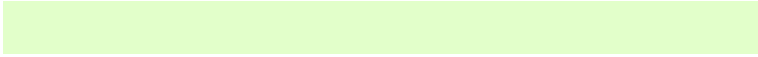
82.1076, 91.9530, 148.2245



103.7108, 91.9530, 92.7246

Complementary

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



77.7847, 91.9530, 69.5261



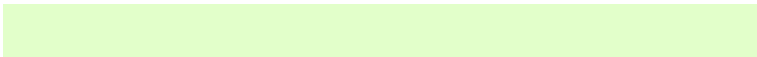
72.1264, 66.4512, 103.6326

Split Complementary

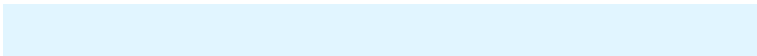
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.8863, 91.9530, 116.4009



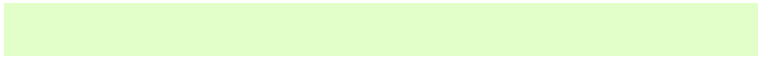
77.7847, 91.9530, 69.5261



90.0744, 91.9530, 150.9851

Square

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



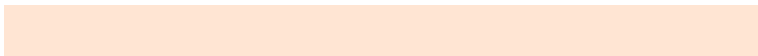
77.7847, 91.9530, 69.5261



75.9352, 91.9530, 131.5423



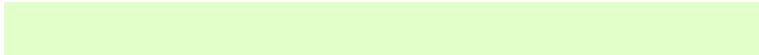
97.7736, 91.9530, 138.5867



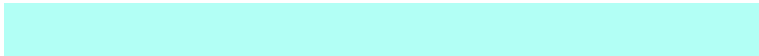
99.9611, 91.9530, 74.1501

Rectangle

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



77.7847, 91.9530, 69.5261



72.6931, 91.9530, 99.9384



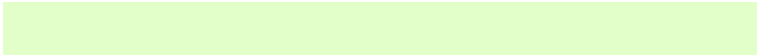
97.7736, 91.9530, 138.5867



103.9645, 91.9530, 100.3042

Sweetspot

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



77.7853, 91.9533, 69.5275



89.6704, 97.5001, 96.2979



80.2723, 82.2671, 67.5268



19.0720, 20.8127, 20.3313



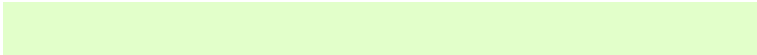
0.0000, 0.0000, 0.0000



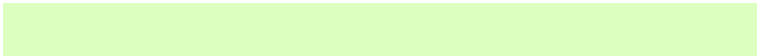
20.3446, 21.4041, 23.3091

Same Dimension

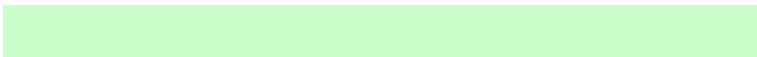
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7853, 91.9533, 69.5275



74.7424, 90.5266, 62.9686



70.9891, 88.4254, 70.3077



18.5528, 20.5709, 19.1371



22.5789, 39.3779, 6.4107



2.3223, 3.8979, 0.6300

Inverse Universe

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



72.1264, 66.4512, 103.6326



68.1409, 60.7809, 102.7482



80.1279, 70.6088, 102.5292



17.9531, 17.8675, 22.7525



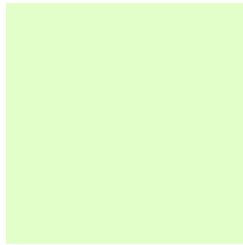
15.2158, 6.7545, 49.9364



1.6075, 0.7226, 4.8680

Previews

White Background



This preview shows how the XYZ color 77.7847, 91.9530, 69.5261 looks on a white background.

Color Contrast Check

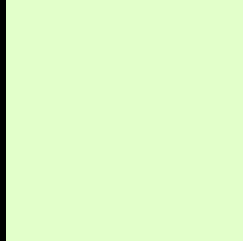
Large Text (above 18pt) WCAG AA × Fail

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 77.7847, 91.9530, 69.5261 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

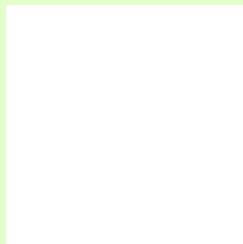
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7847, 91.9530, 69.5261

Background



This preview shows how black text looks on a background with the XYZ color 77.7847, 91.9530, 69.5261.



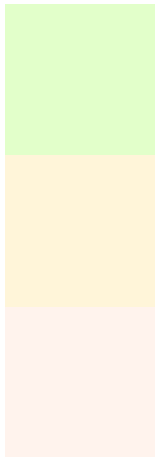
This preview shows how white text looks on a background with the XYZ color 77.7847, 91.9530,

69.5261.

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

77.7847, 91.9530, 69.5261

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

88.5767, 91.4756, 93.1088

Tritanopia

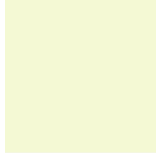
87.2814, 91.8323, 107.7329

Trichromacy



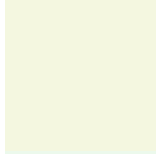
Original Color

77.7847, 91.9530, 69.5261



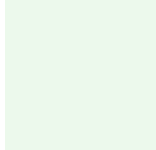
Protanomaly

83.0676, 91.7379, 75.6164



Deuteranomaly

84.0235, 91.1364, 83.6836



Tritanomaly

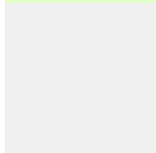
83.6081, 91.6404, 92.6386

Monochromacy



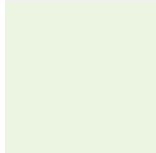
Original Color

77.7847, 91.9530, 69.5261



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6408, 88.4580, 84.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7847, 91.9530, 69.5261 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(226, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 202)  
}
```

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(226, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 77.7847, 91.9530, 69.5261 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(226, 255, 202) }
```


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

```
.border{ border-color:rgb(226, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7847, 91.9530, 69.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 202) }
```

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

```
.background{ background-color: rgb(226,  
255, 202) }
```

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