

Converting Colors

XYZ(74.7803, 90.4462, 67.4885)

Have a look what the booklet for
XYZ(74.7803, 90.4462, 67.4885)
contains.

XYZ(74.6841, 90.3952, 67.5446)	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(74.6841, 90.3952,
67.5446)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFC7
RGB	217, 255, 199
RGB Percent	85%, 100%, 78%
CMY	0.1490, 0.0000, 0.2196
CMYK	0.15, 0.00, 0.22, 0.00
HSL	101°, 100%, 89%
HSV	101°, 22%, 100%
XYZ	74.6841, 90.3952, 67.5446
YIQ	237.2540, -4.6720, -25.4720

Conversions

Conversions Part 2

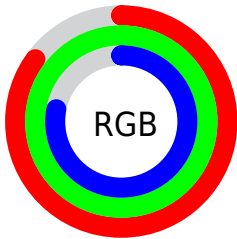
Format	Color
RYB	199, 255, 237
Decimal	14286791
CIELab	96.16, -22.06, 22.81
CIELCh	96, 31.733, 134.047
Yxy	90.3952, 0.3211, 0.3886
Android (android.graphics.Color)	4292476871 (0xFFD9FFC7)
YUV	237.2540, -18.8592, -17.7628
Hunter-Lab	95.0764, -26.1689, 24.4324

Details

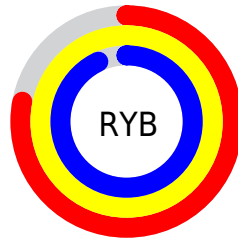
The XYZ color **74.6841, 90.3952, 67.5446** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3993, 66.0726, 103.4925**, and the grayscale version is **80.8348, 85.0445, 92.6135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2052, 50.1139, 34.3420** is the 20% darker color. If you saturate the color by 10%, you get **67.0902, 86.7944, 53.0074**, and if you desaturate by 10%, it is **83.3147, 94.4732, 84.7227**.

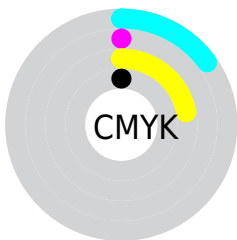
Distribution



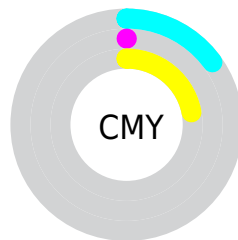
- Red (85%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6841, 90.3952, 67.5446 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 74.6841, 90.3952, 67.5446 by changing the saturation by 10% instead.

74.6841, 90.3952,
67.5446

74.6841, 90.3952,
67.5446

465.8450,
529.3156, 470.4350

55.6474, 68.3085,
49.0630

124.8554,
147.8872, 117.3485

40.1562, 50.1487,
34.3035

156.7207,
184.0613, 149.5078

27.8451, 35.5316,
22.8476

193.5929,
225.7000, 187.0634

18.3488, 24.0726,
14.2768

235.8374,
273.1876, 230.4339

11.3019, 15.3875,
8.1725

283.8195,
326.9085, 280.0377

6.3391, 9.0918,
4.1162

337.9045,

3.0949, 4.8011,

387.2473, 336.2935

1.6893

398.4579,
454.5882, 399.6197

■ 1.2042, 2.1310,
0.3534

■ 0.1097, 0.6820,
0.0000

■ 74.6841, 90.3952,
67.5446

■ 74.6841, 90.3952,
67.5446

■ 67.0902, 86.7944,
53.0074

■ 83.3147, 94.4732,
84.7227

■ 60.4900, 83.6513,
40.9761

■ 93.0190, 99.0447,
104.6592

■ 54.8399, 80.9466,
31.3098

■ 95.0500, 100.0000,
108.9000

■ 50.0919, 78.6591,
23.8524

■ 46.1937, 76.7655,
18.4287

■ 43.0863, 75.2399,
14.8369

■ 40.7015, 74.0523,
12.8339

■ 39.2365, 73.3122,
12.0827

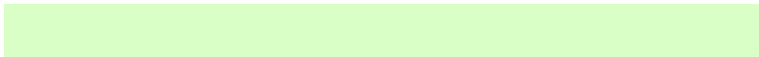
Harmonies

Analogous

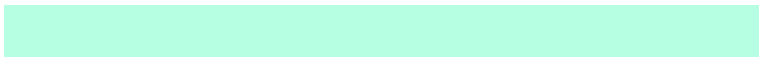
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8767, 90.3952, 58.5064



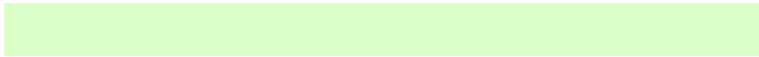
74.6841, 90.3952, 67.5446



70.6561, 90.3952, 85.6993

Triad

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



74.6841, 90.3952, 67.5446



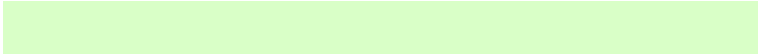
81.3513, 90.3952, 152.7486



103.3976, 90.3952, 87.1269

Complementary

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



74.6841, 90.3952, 67.5446



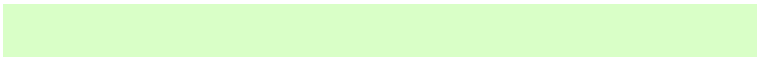
73.3993, 66.0726, 103.4925

Split Complementary

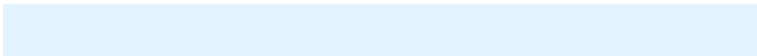
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2329, 90.3952, 112.3520



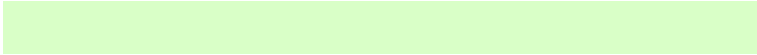
74.6841, 90.3952, 67.5446



90.0900, 90.3952, 153.3086

Square

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



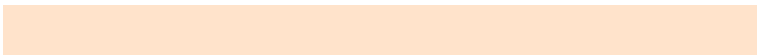
74.6841, 90.3952, 67.5446



74.3222, 90.3952, 136.1011



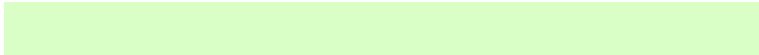
98.2253, 90.3952, 137.5207



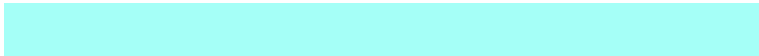
98.6611, 90.3952, 68.4353

Rectangle

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



74.6841, 90.3952, 67.5446



70.1226, 90.3952, 101.8842



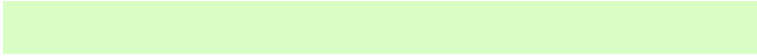
98.2253, 90.3952, 137.5207



103.9232, 90.3952, 95.0450

Sweetspot

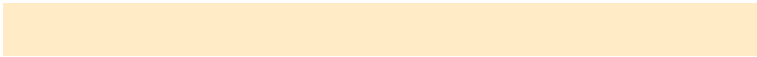
The Sweet Spot groups the original color and five complimentary colors.



74.6847, 90.3955, 67.5460



87.9913, 96.6779, 94.2588



81.6408, 85.5671, 66.2474



18.7089, 20.6342, 19.9190



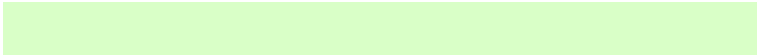
0.0000, 0.0000, 0.0000



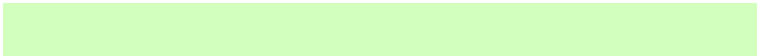
20.3446, 21.4041, 23.3091

Same Dimension

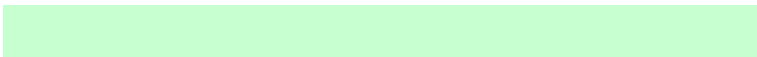
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6847, 90.3955, 67.5460



71.4941, 88.8843, 61.3618



70.7402, 88.2330, 73.1932



18.3212, 20.4515, 19.1262



20.6390, 38.3779, 6.3199



2.1179, 3.7926, 0.6204

Inverse Universe

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



73.3993, 66.0726, 103.4925



70.0130, 60.9262, 102.6776



78.2474, 68.7413, 96.0654



18.1917, 17.9906, 22.7637



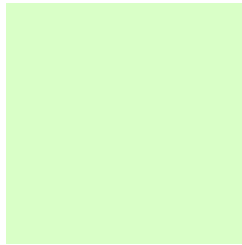
18.6034, 8.5009, 50.0949



1.9255, 0.8865, 4.8829

Previews

White Background



This preview shows how the XYZ color 74.6841, 90.3952, 67.5446 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 74.6841, 90.3952, 67.5446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

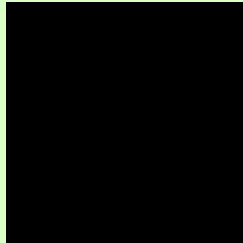
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

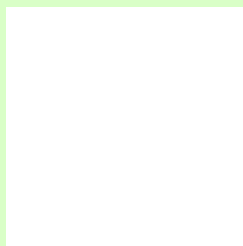
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.6841, 90.3952, 67.5446

Background



This preview shows how black text looks on a background with the XYZ color 74.6841, 90.3952, 67.5446.



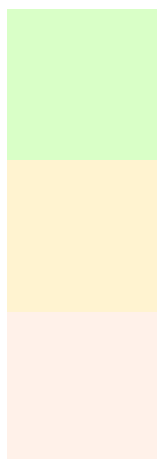
This preview shows how white text looks on a background with the XYZ color 74.6841, 90.3952,

67.5446.

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

74.6841, 90.3952, 67.5446

Protanopia

84.6758, 89.9153, 72.5670

Deuteranopia

87.4033, 90.0538, 89.8663



Tritanopia

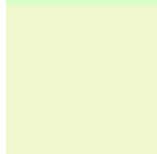
85.2945, 90.3577, 107.5530

Trichromacy



Original Color

74.6841, 90.3952, 67.5446



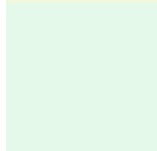
Protanomaly

80.5558, 89.6301, 70.8122



Deuteranomaly

82.2825, 89.8328, 81.4093



Tritanomaly

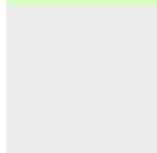
81.1842, 90.4075, 91.7688

Monochromacy



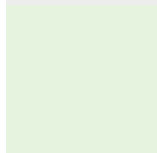
Original Color

74.6841, 90.3952, 67.5446



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3031, 86.8521, 82.4492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6841, 90.3952, 67.5446 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(217, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 199)  
}
```

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(217, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 74.6841, 90.3952, 67.5446 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(217, 255, 199) }
```


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

```
.border{ border-color:rgb(217, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6841, 90.3952, 67.5446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 199) }
```

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

```
.background{ background-color: rgb(217,  
255, 199) }
```

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