

Converting Colors

XYZ(74.7091, 90.4767, 64.4474)

Have a look what the booklet for
XYZ(74.7091, 90.4767, 64.4474)
contains.

XYZ(74.7110, 90.4751, 64.5647)	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(74.7110, 90.4751,
64.5647)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFC2
RGB	219, 255, 194
RGB Percent	86%, 100%, 76%
CMY	0.1412, 0.0000, 0.2392
CMYK	0.14, 0.00, 0.24, 0.00
HSL	95°, 100%, 88%
HSV	95°, 24%, 100%
XYZ	74.7110, 90.4751, 64.5647
YIQ	237.2820, -1.8750, -26.6030

Conversions

Conversions Part 2

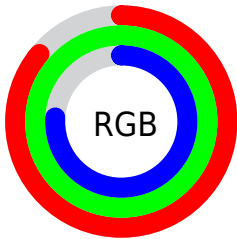
Format	Color
RYB	194, 255, 230
Decimal	14417858
CIELab	96.19, -22.15, 25.41
CIELCh	96, 33.709, 131.076
Yxy	90.4751, 0.3252, 0.3938
Android (android.graphics.Color)	4292607938 (0xFFDBFFC2)
YUV	237.2820, -21.3380, -16.0333
Hunter-Lab	95.1184, -26.2539, 26.3379

Details

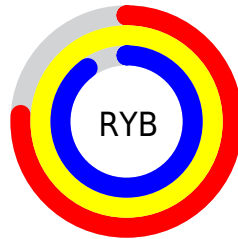
The XYZ color **74.7110, 90.4751, 64.5647** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9759, 62.6278, 103.0080**, and the grayscale version is **80.8733, 85.0850, 92.6576**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **40.0320, 50.0681, 32.3652** is the 20% darker color. If you saturate the color by 10%, you get **67.7633, 87.1964, 50.5507**, and if you desaturate by 10%, it is **82.5606, 94.1619, 81.1887**.

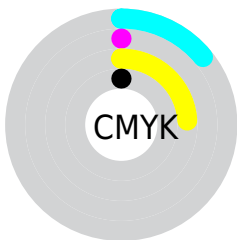
Distribution



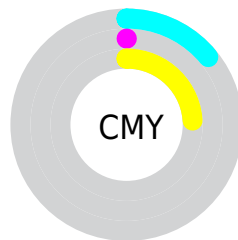
- Red (86%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7110, 90.4751, 64.5647 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 74.7110, 90.4751, 64.5647 by changing the saturation by 10% instead.

74.7110, 90.4751,
64.5647

74.7110, 90.4751,
64.5647

465.9362,
529.5751, 459.4894

55.6695, 68.3748,
46.6591

124.8933,
147.9982, 113.0311

40.1740, 50.2027,
32.4138

156.7648,
184.1897, 144.4289

27.8590, 35.5745,
21.4103

193.6437,
225.8470, 181.1613

18.3593, 24.1057,
13.2301

235.8953,
273.3546, 223.6467

11.3095, 15.4121,
7.4546

283.8850,
327.0968, 272.3036

6.3442, 9.1091,
3.6653

337.9781,

3.0982, 4.8124,

387.4580, 327.5507

1.4436

398.5401,
454.8227, 389.8064

■ 1.2059, 2.1376,
0.1754

■ 0.1110, 0.6857,
0.0000

■ 74.7110, 90.4751,
64.5647

■ 74.7110, 90.4751,
64.5647

■ 67.7633, 87.1964,
50.5507

■ 82.5606, 94.1619,
81.1887

■ 61.6801, 84.3095,
39.0100

■ 91.3442, 98.2708,
100.5418

■ 56.4233, 81.7980,
29.7996

■ 95.0500, 100.0000,
108.9000

■ 51.9510, 79.6436,
22.7604

■ 48.2169, 77.8264,
17.7130

■ 45.1687, 76.3241,
14.4494

■ 42.7445, 75.1103,
12.7158

■ 41.5278, 74.4934,
12.1899

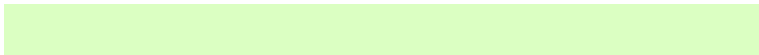
Harmonies

Analogous

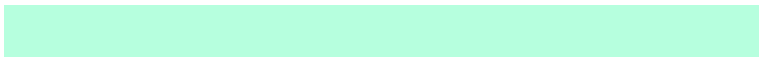
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5853, 90.4751, 56.1205



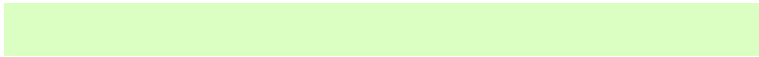
74.7110, 90.4751, 64.5647



70.0800, 90.4751, 82.7352

Triad

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



74.7110, 90.4751, 64.5647



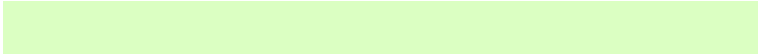
80.2925, 90.4751, 155.7023



104.8767, 90.4751, 88.9458

Complementary

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



74.7110, 90.4751, 64.5647



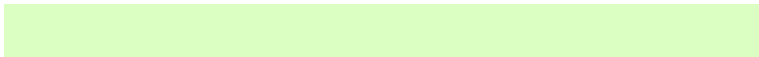
69.9759, 62.6278, 103.0080

Split Complementary

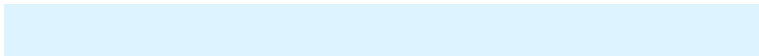
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1511, 90.4751, 116.1769



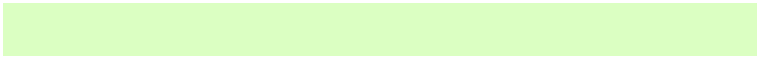
74.7110, 90.4751, 64.5647



89.4949, 90.4751, 158.1911

Square

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



74.7110, 90.4751, 64.5647



73.1374, 90.4751, 136.3741



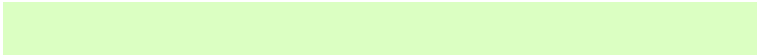
98.3591, 90.4751, 142.6599



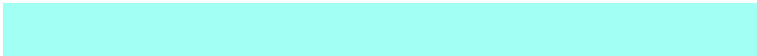
100.2750, 90.4751, 68.3993

Rectangle

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



74.7110, 90.4751, 64.5647



69.2381, 90.4751, 99.4820



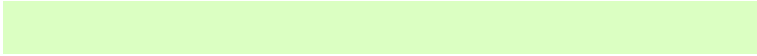
98.3591, 90.4751, 142.6599



105.2558, 90.4751, 97.5484

Sweetspot

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



74.7115, 90.4753, 64.5661



88.5379, 96.9597, 94.2844



79.1591, 81.5177, 62.6026



18.8353, 20.6994, 19.9249



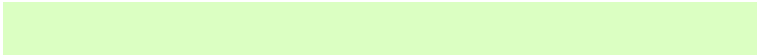
0.0000, 0.0000, 0.0000



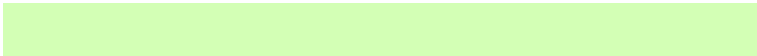
20.3446, 21.4041, 23.3091

Same Dimension

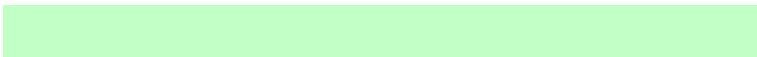
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7115, 90.4753, 64.5661



71.0719, 88.7599, 57.1294



68.3274, 87.1171, 67.2989



18.4766, 20.5316, 19.1335



21.8584, 39.0065, 6.3770



2.2486, 3.8599, 0.6265

Inverse Universe

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



69.9759, 62.6278, 103.0080



65.5398, 56.2464, 102.0101



77.7746, 66.7415, 99.1574



18.0307, 17.9076, 22.7561



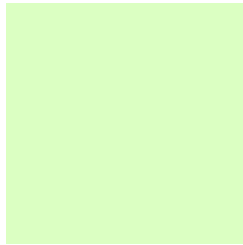
16.2249, 7.2747, 49.9836



1.7038, 0.7723, 4.8725

Previews

White Background



This preview shows how the XYZ color 74.7110, 90.4751, 64.5647 looks on a white background.

Color Contrast Check

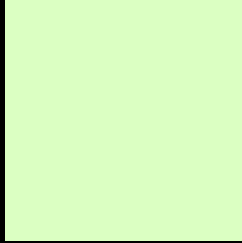
Large Text (above 18pt) WCAG AA × Fail

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 74.7110, 90.4751, 64.5647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

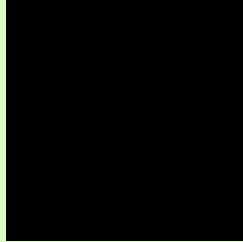
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

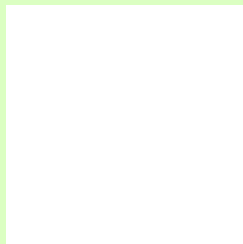
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.7110, 90.4751, 64.5647

Background



This preview shows how black text looks on a background with the XYZ color 74.7110, 90.4751, 64.5647.



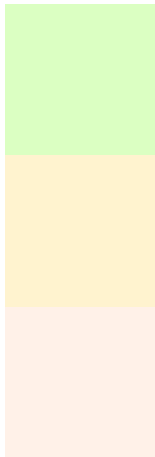
This preview shows how white text looks on a background with the XYZ color 74.7110, 90.4751,

64.5647.

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

74.7110, 90.4751, 64.5647

Protanopia

84.5531, 89.8662, 71.9210

Deuteranopia

87.2608, 89.9968, 89.1159



Tritanopia

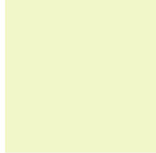
85.6275, 90.5293, 107.5686

Trichromacy



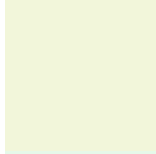
Original Color

74.7110, 90.4751, 64.5647



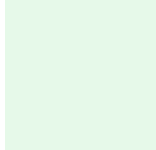
Protanomaly

80.5394, 89.6630, 68.9389



Deuteranomaly

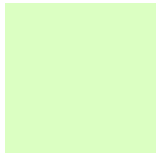
82.2286, 89.8507, 79.3387



Tritanomaly

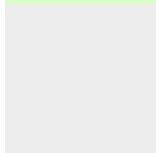
81.2168, 90.4575, 90.2703

Monochromacy



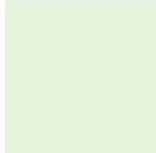
Original Color

74.7110, 90.4751, 64.5647



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.0350, 86.7448, 81.0372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7110, 90.4751, 64.5647 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(219, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 194)  
}
```

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(219, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 74.7110, 90.4751, 64.5647 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(219, 255, 194) }
```


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

```
.border{ border-color:rgb(219, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7110, 90.4751, 64.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 194) }
```

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

```
.background{ background-color: rgb(219,  
255, 194) }
```

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