

Converting Colors

XYZ(79.3129, 100.0000,
71.3788)

Have a look what the booklet for
XYZ(79.3129, 100.0000, 71.3788)
contains.

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Color

**XYZ(74.5638, 90.2789,
69.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFCB
RGB	215, 255, 203
RGB Percent	84%, 100%, 80%
CMY	0.1569, 0.0000, 0.2039
CMYK	0.16, 0.00, 0.20, 0.00
HSL	106°, 100%, 90%
HSV	106°, 20%, 100%
XYZ	74.5638, 90.2789, 69.9955
YIQ	237.1120, -7.1480, -24.6520

Conversions

Conversions Part 2

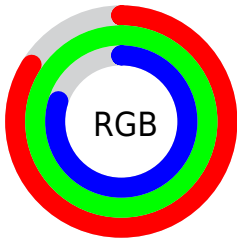
Format	Color
RYB	203, 255, 243
Decimal	14155723
CIELab	96.11, -22.10, 20.69
CIElCh	96, 30.273, 136.895
Yxy	90.2789, 0.3175, 0.3844
Android (android.graphics.Color)	4292345803 (0xFFD7FFCB)
YUV	237.1120, -16.8172, -19.3922
Hunter-Lab	95.0152, -26.1976, 22.8331

Details

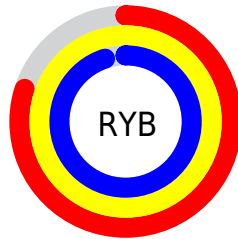
The XYZ color **74.5638, 90.2789, 69.9955** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.3689, 68.9877, 103.8986**, and the grayscale version is **80.7114, 84.9146, 92.4720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1161, 50.0317, 35.9765** is the 20% darker color. If you saturate the color by 10%, you get **66.3513, 86.3679, 55.0314**, and if you desaturate by 10%, it is **83.9679, 94.7464, 87.6270**.

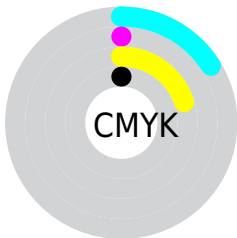
Distribution



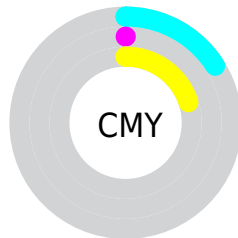
- Red (84%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5638, 90.2789, 69.9955 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 74.5638, 90.2789, 69.9955 by changing the saturation by 10% instead.


 74.5638, 90.2789,
69.9955

 74.5638, 90.2789,
69.9955


465.4373,
528.9377, 479.3229

 55.5485, 68.2120,
51.0461


124.6859,
147.7257, 120.8834

 40.0766, 50.0702,
35.8683


156.5235,
183.8744, 153.6590

 27.7828, 35.4692,
24.0436


193.3659,
225.4859, 191.8803

 18.3016, 24.0245,
15.1535

235.5784,
272.9444, 235.9660

 11.2677, 15.3518,
8.7794

283.5264,
326.6345, 286.3346

 6.3158, 9.0667,
4.5027

337.5754,

 3.0805, 4.7847,

386.9405, 343.4045

1.9050

398.0905,
454.2467, 407.5945

■ 1.1965, 2.1215,
0.4959

■ 0.1036, 0.6767,
0.0000

■ 74.5638, 90.2789,
69.9955

■ 74.5638, 90.2789,
69.9955

■ 66.3513, 86.3679,
55.0314

■ 83.9679, 94.7464,
87.6270

■ 59.2801, 82.9903,
42.6010

94.6079, 99.7906,
108.0428

■ 53.2985, 80.1226,
32.5650

95.0500, 100.0000,
108.9000

■ 48.3501, 77.7391,
24.7693

■ 44.3730, 75.8115,
19.0414

■ 41.2983, 74.3086,
15.1842

■ 39.0468, 73.1947,
12.9618

■ 37.5544, 72.4450,
12.0040

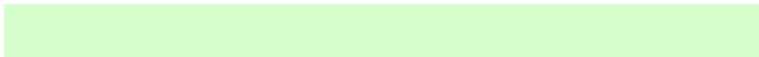
Harmonies

Analogous

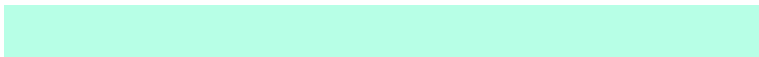
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2056, 90.2789, 60.3984



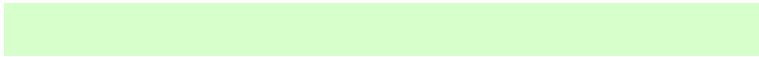
74.5638, 90.2789, 69.9955



71.0398, 90.2789, 88.1939

Triad

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



74.5638, 90.2789, 69.9955



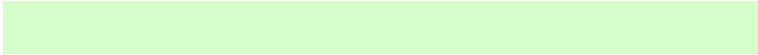
82.2026, 90.2789, 150.4905



102.1812, 90.2789, 85.4780

Complementary

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



74.5638, 90.2789, 69.9955



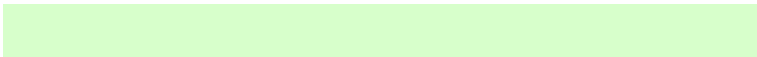
76.3689, 68.9877, 103.8986

Split Complementary

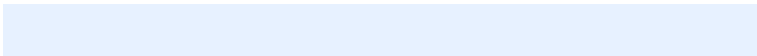
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.4916, 90.2789, 109.1466



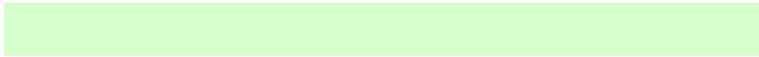
74.5638, 90.2789, 69.9955



90.5798, 90.2789, 149.4430

Square

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



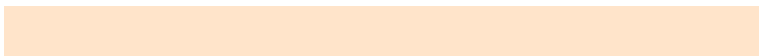
74.5638, 90.2789, 69.9955



75.2526, 90.2789, 136.0205



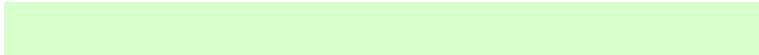
98.1280, 90.2789, 133.3564



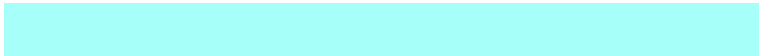
97.3057, 90.2789, 68.2875

Rectangle

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



74.5638, 90.2789, 69.9955



70.7727, 90.2789, 103.9476



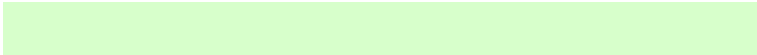
98.1280, 90.2789, 133.3564



102.8335, 90.2789, 92.8577

Sweetspot

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



74.5644, 90.2791, 69.9969



88.4854, 96.8892, 96.2424



84.0306, 89.5936, 69.3656



18.7924, 20.6685, 20.3182



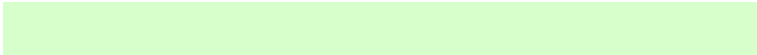
0.0000, 0.0000, 0.0000



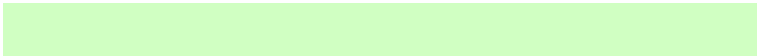
20.3446, 21.4041, 23.3091

Same Dimension

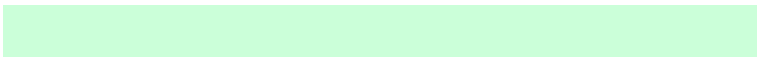
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5644, 90.2791, 69.9969



71.4658, 88.8047, 64.2956



72.8964, 89.2197, 78.9349



18.1637, 20.3703, 19.1189



19.7298, 37.9092, 6.2773



2.0117, 3.7378, 0.6154

Inverse Universe

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



76.3689, 68.9877, 103.8986



73.5312, 64.3938, 103.1615



78.4936, 70.3317, 92.7623



18.3587, 18.0767, 22.7715



21.4852, 9.9865, 50.2298



2.1868, 1.0213, 4.8951

Previews

White Background



This preview shows how the XYZ color 74.5638, 90.2789, 69.9955 looks on a white background.

Color Contrast Check

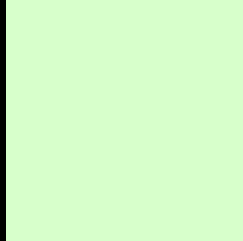
Large Text (above 18pt) WCAG AA × Fail

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 74.5638, 90.2789, 69.9955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

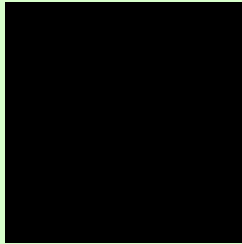
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

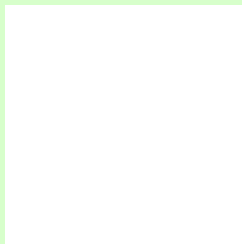
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.5638, 90.2789, 69.9955

Background



This preview shows how black text looks on a background with the XYZ color 74.5638, 90.2789, 69.9955.



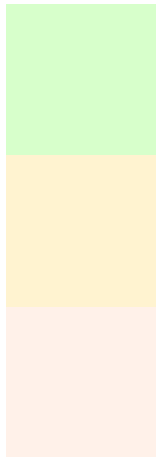
This preview shows how white text looks on a background with the XYZ color 74.5638, 90.2789, 69.9955.

69.9955.

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

74.5638, 90.2789, 69.9955

Protanopia

84.6758, 89.9153, 72.5670

Deuteranopia

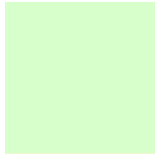
87.4033, 90.0538, 89.8663



Tritanopia

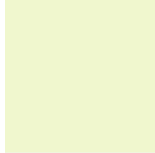
84.6341, 90.0172, 107.5221

Trichromacy



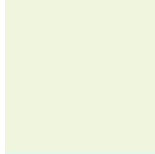
Original Color

74.5638, 90.2789, 69.9955



Protanomaly

80.3365, 89.5030, 71.4341



Deuteranomaly

82.0758, 89.7107, 82.0973



Tritanomaly

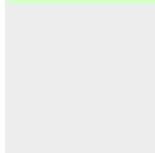
80.6946, 90.1384, 92.5023

Monochromacy



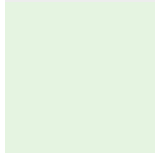
Original Color

74.5638, 90.2789, 69.9955



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2544, 86.7956, 83.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5638, 90.2789, 69.9955 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(215, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 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(215, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 74.5638, 90.2789, 69.9955 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(215, 255, 203) }
```


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

```
.border{ border-color:rgb(215, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5638, 90.2789, 69.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 203) }
```

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

```
.background{ background-color: rgb(215,  
255, 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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