

Converting Colors

XYZ(70.0230, 84.9884, 55.3616)

Have a look what the booklet for
XYZ(70.0230, 84.9884, 55.3616)
contains.

XYZ(70.0230, 84.9884, 55.3616)	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(70.0230, 84.9884,
55.3616)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F8B3
RGB	216, 248, 179
RGB Percent	85%, 97%, 70%
CMY	0.1529, 0.0274, 0.2980
CMYK	0.13, 0.00, 0.28, 0.03
HSL	88°, 83%, 84%
HSV	88°, 28%, 97%
XYZ	70.0230, 84.9884, 55.3616
YIQ	230.5660, 3.0770, -28.2430

Conversions

Conversions Part 2

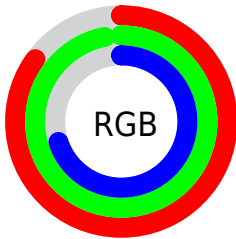
Format	Color
RYB	179, 248, 211
Decimal	14219443
CIELab	93.88, -22.03, 29.82
CIELCh	94, 37.071, 126.459
Yxy	84.9884, 0.3329, 0.4040
Android (android.graphics.Color)	4292409523 (0xFFD8F8B3)
YUV	230.5660, -25.4220, -12.7744
Hunter-Lab	92.1892, -25.7499, 28.9275

Details

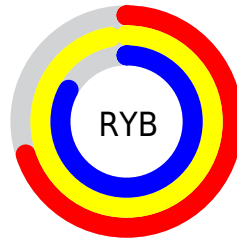
The XYZ color **70.0230, 84.9884, 55.3616** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.9308, 52.8687, 95.8576**, and the grayscale version is **75.8163, 79.7646, 86.8637**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.1127, 46.6792, 26.7926** is the 20% darker color. If you saturate the color by 10%, you get **64.4572, 82.3860, 43.1648**, and if you desaturate by 10%, it is **76.2823, 87.9014, 69.9490**.

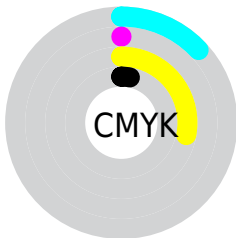
Distribution



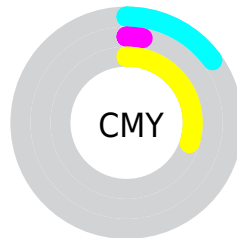
- Red (85%)
- Green (97%)
- Blue (70%)



- Red (70%)
- Yellow (97%)
- Blue (83%)



- Cyan (13%)
- Magenta (0%)
- Yellow (28%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0230, 84.9884, 55.3616 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 70.0230, 84.9884, 55.3616 by changing the saturation by 10% instead.


 70.0230, 84.9884,
55.3616

 70.0230, 84.9884,
55.3616


449.8959,
511.5897, 424.6017

 51.8249, 63.8318,
39.2908


 118.2676,
140.3570, 99.5470

 37.0893, 46.5145,
26.6764


149.0449,
175.3377, 128.4987

 25.4506, 32.6520,
17.1001


184.7460,
215.6953, 162.5810

 16.5436, 21.8600,
10.1432

225.7363,
261.8141, 202.2125

 10.0029, 13.7540,
5.3871

272.3811,
314.0786, 247.8118

 5.4632, 7.9498,
2.4135

325.0457,

 2.5590, 4.0628,

372.8731, 299.7974

0.7938

384.0955,
438.5820, 358.5879

0.9251, 1.7088,
0.0000

0.0000, 0.4293,
0.0000

70.0230, 84.9884,
55.3616

70.0230, 84.9884,
55.3616

64.4572, 82.3860,
43.1648

76.2823, 87.9014,
69.9490

59.5493, 80.0708,
33.2256

83.2555, 91.1252,
87.0396

55.2701, 78.0334,
25.4061

90.9704, 94.6742,
106.7456

51.5849, 76.2594,
19.5515

92.8592, 95.6183,
108.1697

■ 48.4551, 74.7326,
15.4854

■ 45.8357, 73.4346,
13.0002

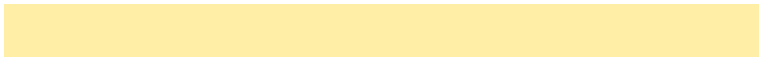
■ 43.6679, 72.3410,
11.8167

■ 43.2383, 72.1229,
11.6422

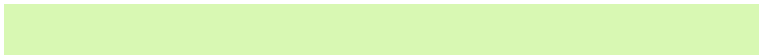
Harmonies

Analogous

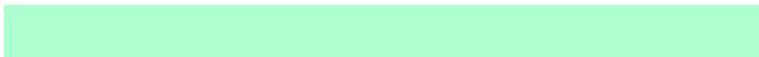
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6637, 84.9884, 48.3739



70.0230, 84.9884, 55.3616



64.6070, 84.9884, 72.4924

Triad

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



70.0230, 84.9884, 55.3616



73.4373, 84.9884, 151.8103



101.1310, 84.9884, 86.5600

Complementary

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



70.0230, 84.9884, 55.3616



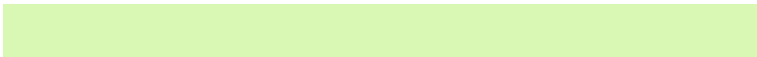
59.9308, 52.8687, 95.8576

Split Complementary

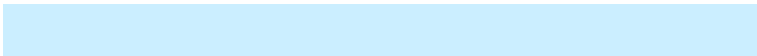
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.4466, 84.9884, 115.9750



70.0230, 84.9884, 55.3616



82.9317, 84.9884, 157.6937

Square

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



70.0230, 84.9884, 55.3616



66.4632, 84.9884, 128.7199



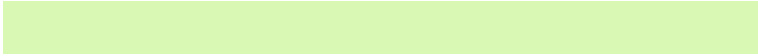
92.5835, 84.9884, 143.4671



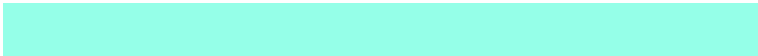
97.0155, 84.9884, 63.8639

Rectangle

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



70.0230, 84.9884, 55.3616



63.2871, 84.9884, 89.2234



92.5835, 84.9884, 143.4671



101.2288, 84.9884, 95.9335

Sweetspot

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



70.0252, 84.9921, 55.3634



88.5419, 97.0045, 92.3517



69.9102, 69.3320, 52.3468



18.7018, 20.6477, 19.1440



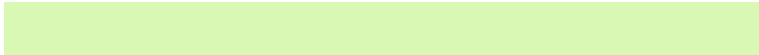
0.0000, 0.0000, 0.0000



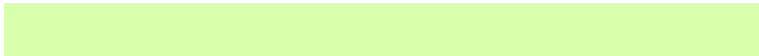
20.3446, 21.4041, 23.3091

Same Dimension

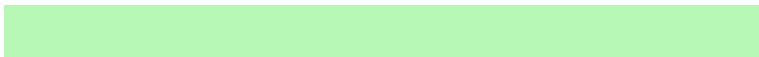
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0252, 84.9921, 55.3634



71.4064, 89.0489, 51.8778



61.1045, 80.3933, 54.9460



17.9063, 19.7675, 18.3341



23.5199, 39.0432, 6.2965



2.3007, 3.6792, 0.5889

Inverse Universe

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



59.9308, 52.8687, 95.8576



59.1288, 49.9732, 101.1371



70.5660, 58.3514, 96.3553



17.0482, 17.0375, 21.7753



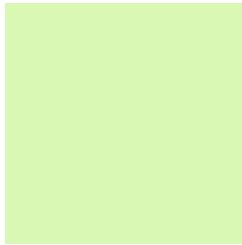
13.1322, 5.7126, 48.3840



1.3372, 0.5914, 4.4869

Previews

White Background



This preview shows how the XYZ color 70.0230, 84.9884, 55.3616 looks on a white background.

Color Contrast Check

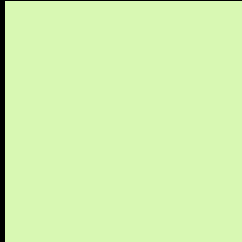
Large Text (above 18pt) WCAG AA × Fail

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 70.0230, 84.9884, 55.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

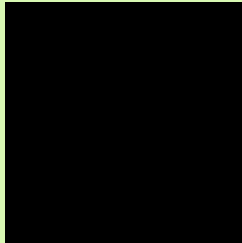
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

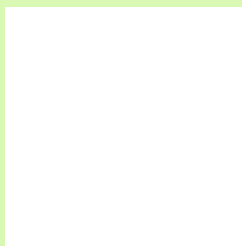
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0230, 84.9884, 55.3616

Background



This preview shows how black text looks on a background with the XYZ color 70.0230, 84.9884, 55.3616.



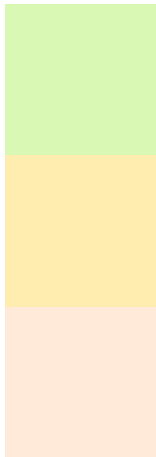
This preview shows how white text looks on a background with the XYZ color 70.0230, 84.9884,

55.3616.

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

70.0230, 84.9884, 55.3616

Protanopia

78.7972, 84.6952, 52.2391

Deuteranopia

82.9033, 84.5476, 77.5955



Tritanopia

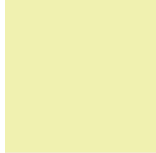
80.6194, 84.8631, 106.7388

Trichromacy



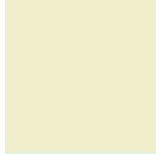
Original Color

70.0230, 84.9884, 55.3616



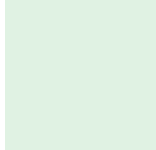
Protanomaly

75.2270, 84.5704, 53.4331



Deuteranomaly

77.6297, 84.1616, 68.6532



Tritanomaly

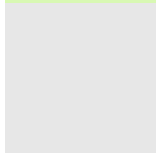
76.3577, 84.8976, 85.0354

Monochromacy



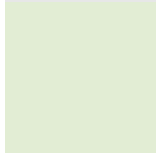
Original Color

70.0230, 84.9884, 55.3616



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.5319, 81.4906, 74.1411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0230, 84.9884, 55.3616 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(216, 248, 179)` looks like.

```
.text, #text, p{  
    color:rgb(216, 248, 179)  
}
```

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(216, 248, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 248, 179) }
```

Border

The CSS property to change the border of an element to XYZ 70.0230, 84.9884, 55.3616 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(216, 248, 179) }
```


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

```
.border{ border-color:rgb(216, 248, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 248, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 248, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 248, 179);  
box-shadow:4px 4px 4px 4px rgb(216, 248,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0230, 84.9884, 55.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 248, 179) }
```

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

```
.background{ background-color: rgb(216,  
248, 179) }
```

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