

Converting Colors

XYZ(63.1306, 79.0514, 45.4877)

Have a look what the booklet for
XYZ(63.1306, 79.0514, 45.4877)
contains.

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Color

**XYZ(63.0870, 78.9148,
45.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF2A1
RGB	204, 242, 161
RGB Percent	80%, 95%, 63%
CMY	0.2000, 0.0510, 0.3686
CMYK	0.16, 0.00, 0.33, 0.05
HSL	88°, 76%, 79%
HSV	88°, 33%, 95%
XYZ	63.0870, 78.9148, 45.6253
YIQ	221.4040, 3.3530, -33.2470

Conversions

Conversions Part 2

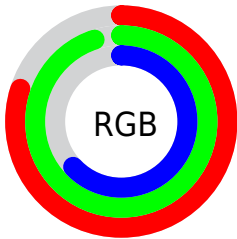
Format	Color
RYB	161, 242, 199
Decimal	13431457
CIELab	91.20, -25.90, 35.16
CIELCh	91, 43.668, 126.377
Yxy	78.9148, 0.3362, 0.4206
Android (android.graphics.Color)	4291621537 (0xFFCCCF2A1)
YUV	221.4040, -29.7792, -15.2633
Hunter-Lab	88.8340, -28.6946, 31.7324

Details

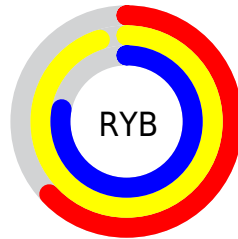
The XYZ color **63.0870, 78.9148, 45.6253** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.3283, 44.0449, 89.7522**, and the grayscale version is **69.2142, 72.8187, 79.2996**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **32.6601, 42.5901, 20.6867** is the 20% darker color. If you saturate the color by 10%, you get **58.1571, 76.5990, 35.3124**, and if you desaturate by 10%, it is **68.6609, 81.5197, 58.1275**.

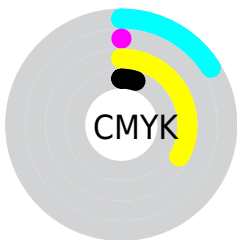
Distribution



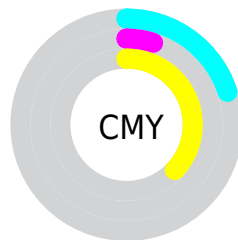
- Red (80%)
- Green (95%)
- Blue (63%)



- Red (63%)
- Yellow (95%)
- Blue (78%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)





- Cyan (20%)
- Magenta (5%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0870, 78.9148, 45.6253 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 63.0870, 78.9148, 45.6253 by changing the saturation by 10% instead.

 63.0870, 78.9148,
45.6253


 63.0870, 78.9148,
45.6253


425.5398,
491.2681, 385.5339

 46.1705, 58.8258,
31.6037


 108.3761,
131.8389, 84.9863

 32.5856, 42.4729,
20.7967


 137.4795,
165.4428, 111.1628

 21.9669, 29.4717,
12.7857


171.3758,
204.3204, 142.2280

 13.9490, 19.4380,
7.1521

210.4305,
248.8561, 178.6005

 8.1667, 11.9872,
3.4775

255.0089,
299.4343, 220.6988

 4.2545, 6.7349,
1.3433

305.4763,

 1.8471, 3.2969,

356.4395, 268.9415

0.0969

362.1982,
420.2559, 323.7470

■ 0.5458, 1.2886,
0.0000

■ 0.0000, 0.1324,
0.0000

■ 63.0870, 78.9148,
45.6253

■ 63.0870, 78.9148,
45.6253

■ 58.1571, 76.5990,
35.3124

■ 68.6609, 81.5197,
58.1275

■ 53.8366, 74.5499,
27.0575

■ 74.8994, 84.4146,
72.9300

■ 50.0959, 72.7578,
20.7232

■ 81.8295, 87.6135,
90.1423

■ 46.9004, 71.2083,
16.1531

■ 89.0199, 90.9442,
107.4699

■ 44.2104, 69.8849,
13.1665

■ 91.0437, 91.9875,
107.5646

■ 41.9787, 68.7680,
11.5434

■ 40.7254, 68.1326,
11.0045

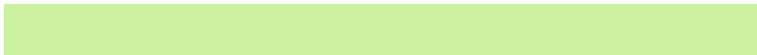
Harmonies

Analogous

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



72.6687, 78.9148, 38.4971



63.0870, 78.9148, 45.6253



57.1605, 78.9148, 63.7572

Triad

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



63.0870, 78.9148, 45.6253



66.8032, 78.9148, 154.6768



98.1879, 78.9148, 79.3358

Complementary

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



63.0870, 78.9148, 45.6253



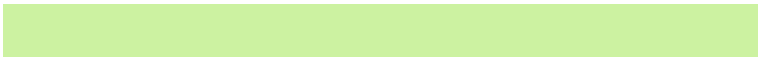
52.3283, 44.0449, 89.7522

Split Complementary

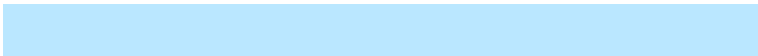
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.2261, 78.9148, 112.7136



63.0870, 78.9148, 45.6253



77.3932, 78.9148, 161.7774

Square

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



63.0870, 78.9148, 45.6253



59.1540, 78.9148, 127.3457



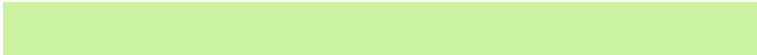
88.3393, 78.9148, 144.8804



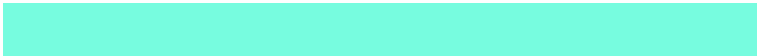
93.4640, 78.9148, 54.6278

Rectangle

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



63.0870, 78.9148, 45.6253



55.7214, 78.9148, 82.1336



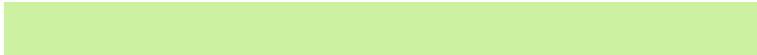
88.3393, 78.9148, 144.8804



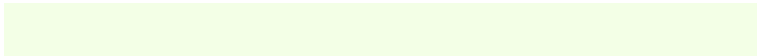
98.2945, 78.9148, 89.8309

Sweetspot

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



63.0890, 78.9183, 45.6270



86.9473, 96.2662, 88.4939



63.4314, 62.2082, 42.3836



18.3803, 20.4986, 18.3756



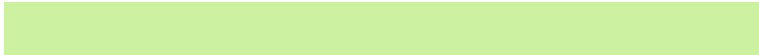
0.0000, 0.0000, 0.0000



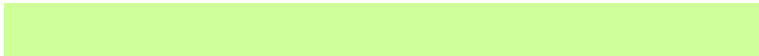
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0890, 78.9183, 45.6270



67.2821, 87.1060, 43.4040



53.4355, 73.9417, 45.1752



16.3670, 18.0694, 16.7748



22.0363, 36.6817, 5.9188



1.9480, 3.1108, 0.4978

Inverse Universe

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



52.3283, 44.0449, 89.7522



53.4900, 42.4001, 99.9725



64.4729, 50.3057, 90.3206



15.6024, 15.5923, 19.9089



12.4606, 5.4291, 45.5190



1.1505, 0.5104, 3.7921

Previews

White Background



This preview shows how the XYZ color 63.0870, 78.9148, 45.6253 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 63.0870, 78.9148, 45.6253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

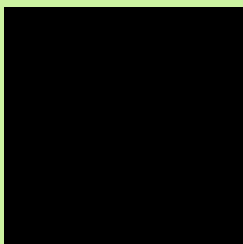
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

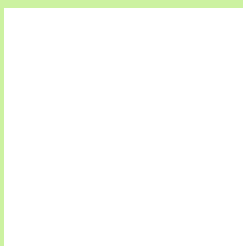
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0870, 78.9148, 45.6253

Background



This preview shows how black text looks on a background with the XYZ color 63.0870, 78.9148, 45.6253.



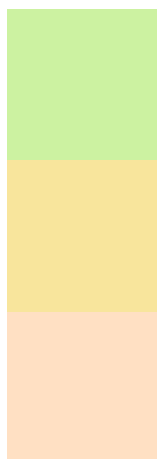
This preview shows how white text looks on a background with the XYZ color 63.0870, 78.9148,

45.6253.

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

63.0870, 78.9148, 45.6253

Protanopia

72.7315, 78.3954, 42.7510

Deuteranopia

77.7460, 78.5114, 62.6863



Tritanopia

74.2901, 78.7431, 100.9060

Trichromacy



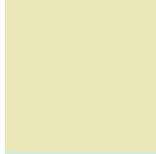
Original Color

63.0870, 78.9148, 45.6253



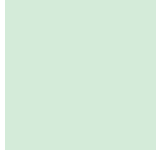
Protanomaly

68.8731, 78.4701, 43.8640



Deuteranomaly

71.7152, 78.4036, 56.1534



Tritanomaly

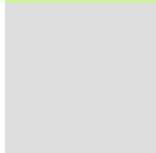
69.3841, 78.4235, 77.1260

Monochromacy



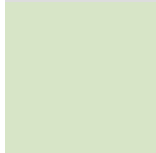
Original Color

63.0870, 78.9148, 45.6253



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.3524, 74.6092, 64.9367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0870, 78.9148, 45.6253 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(204, 242, 161)` looks like.

```
.text, #text, p{  
    color:rgb(204, 242, 161)  
}
```

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(204, 242, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 242, 161) }
```

Border

The CSS property to change the border of an element to XYZ 63.0870, 78.9148, 45.6253 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(204, 242, 161) }
```


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

```
.border{ border-color:rgb(204, 242, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 242, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 242, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 242, 161);  
box-shadow:4px 4px 4px 4px rgb(204, 242,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0870, 78.9148, 45.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 242, 161) }
```

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

```
.background{ background-color: rgb(204,  
242, 161) }
```

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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