

Converting Colors

XYZ(63.7818, 74.8293, 52.3421)

Have a look what the booklet for
XYZ(63.7818, 74.8293, 52.3421)
contains.

| | |
|--|----|
| XYZ(63.8445, 74.8449, 52.1558) | 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(63.8445, 74.8449,
52.1558)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D4E8B0 |
| RGB | 212, 232, 176 |
| RGB Percent | 83%, 91%, 69% |
| CMY | 0.1686, 0.0902, 0.3098 |
| CMYK | 0.09, 0.00, 0.24, 0.09 |
| HSL | 81°, 55%, 80% |
| HSV | 81°, 24%, 91% |
| XYZ | 63.8445, 74.8449, 52.1558 |
| YIQ | 219.6360, 6.0560, -21.6560 |

Conversions

Conversions Part 2

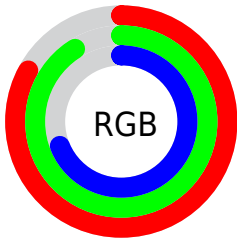
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 176, 232, 196 |
| Decimal | 13953200 |
| CIELab | 89.32, -16.08, 25.10 |
| CIELCh | 89, 29.807, 122.640 |
| Yxy | 74.8449, 0.3345, 0.3922 |
| Android (android.graphics.Color) | 4292143280 (0xFFD4E8B0) |
| YUV | 219.6360, -21.5125, -6.6968 |
| Hunter-Lab | 86.5129, -19.6689, 24.8151 |

Details

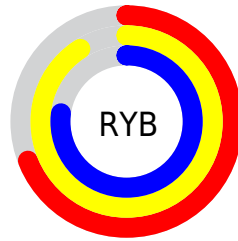
The XYZ color **63.8445, 74.8449, 52.1558** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.8587, 48.6146, 82.9457**, and the grayscale version is **67.9177, 71.4547, 77.8142**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **33.0051, 39.6488, 24.6523** is the 20% darker color. If you saturate the color by 10%, you get **59.4149, 72.8066, 40.9727**, and if you desaturate by 10%, it is **68.7930, 77.1099, 65.4141**.

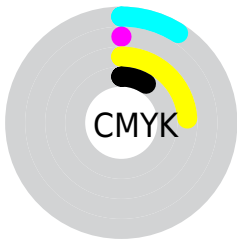
Distribution



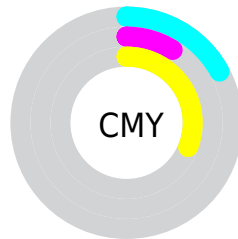
- Red (83%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (77%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)





- Cyan (17%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8445, 74.8449, 52.1558 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 63.8445, 74.8449, 52.1558 by changing the saturation by 10% instead.


 63.8445, 74.8449,
52.1558

 63.8445, 74.8449,
52.1558


428.2390,
477.3843, 412.0118

 46.7860, 55.4858,
36.7462


 109.4619,
126.0928, 94.7899

 33.0737, 39.7908,
24.7168


138.7516,
158.7504, 122.8514

 22.3424, 27.3755,
15.6491


172.8489,
196.6096, 155.9674

 14.2267, 17.8554,
9.1245

212.1193,
240.0549, 194.5563

 8.3613, 10.8462,
4.7246

256.9282,
289.4706, 239.0366

 4.3807, 5.9635,
2.0307

307.6409,

 1.9197, 2.8229,

345.2412, 289.8269

0.5740

364.6227,
407.7509, 347.3458

0.5882, 1.0400,
0.0000

0.0000, 0.0000,
0.0000

63.8445, 74.8449,
52.1558

63.8445, 74.8449,
52.1558

59.4149, 72.8066,
40.9727

68.7930, 77.1099,
65.4141

55.4766, 70.9763,
31.7548

74.2749, 79.6002,
80.8405

52.0080, 69.3476,
24.3894

80.3112, 82.3268,
98.5280

48.9833, 67.9100,
18.7504

84.6168, 84.3759,
106.4341

■ 46.3735, 66.6516,
14.6958

■ 87.5757, 85.9012,
106.5726

■ 44.1455, 65.5590,
12.0612

■ 88.1482, 86.1963,
106.5994

■ 42.2591, 64.6159,
10.6461

■ 41.2767, 64.1183,
10.2006

Harmonies

Analogous

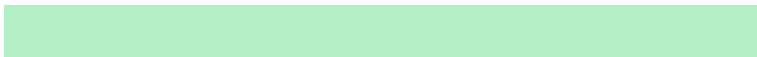
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4944, 74.8449, 47.6190



63.8445, 74.8449, 52.1558



59.4043, 74.8449, 64.4063

Triad

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



63.8445, 74.8449, 52.1558



64.8903, 74.8449, 122.5839



86.0738, 74.8449, 79.6589

Complementary

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



63.8445, 74.8449, 52.1558



52.8587, 48.6146, 82.9457

Split Complementary

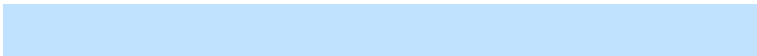
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3228, 74.8449, 101.3632



63.8445, 74.8449, 52.1558



71.7852, 74.8449, 128.5147

Square

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



63.8445, 74.8449, 52.1558



59.9785, 74.8449, 105.1113



78.9665, 74.8449, 120.1732



83.6020, 74.8449, 61.7081

Rectangle

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



63.8445, 74.8449, 52.1558



58.1260, 74.8449, 76.4598



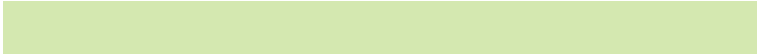
78.9665, 74.8449, 120.1732



85.9596, 74.8449, 86.7432

Sweetspot

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



63.8464, 74.8482, 52.1574



90.0010, 97.7139, 94.3528



60.7677, 59.5925, 49.3750



19.1741, 20.8740, 19.9408



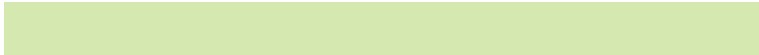
0.0000, 0.0000, 0.0000



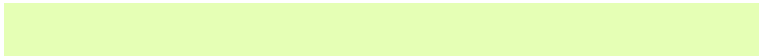
20.3446, 21.4041, 23.3091

Same Dimension

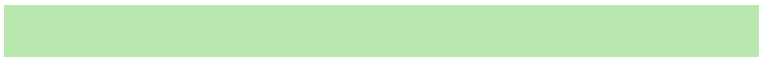
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8464, 74.8482, 52.1574



76.2863, 91.4480, 57.3735



56.5586, 71.0911, 51.8163



15.0760, 16.5462, 15.3036



23.0560, 35.6673, 5.6693



1.8041, 2.6874, 0.4236

Inverse Universe

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



52.8587, 48.6146, 82.9457



60.4464, 53.6206, 101.7717



60.7102, 52.6622, 83.3131



14.0663, 14.1364, 18.1316



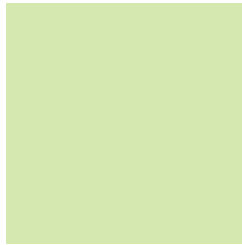
10.1850, 4.3165, 42.6795



0.8511, 0.3697, 3.1585

Previews

White Background



This preview shows how the XYZ color 63.8445, 74.8449, 52.1558 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 63.8445, 74.8449, 52.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

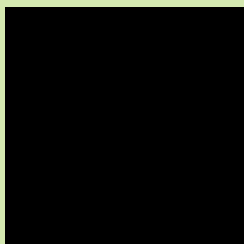
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

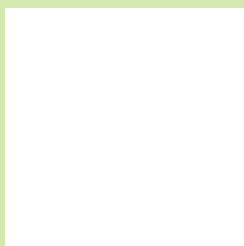
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8445, 74.8449, 52.1558

Background



This preview shows how black text looks on a background with the XYZ color 63.8445, 74.8449, 52.1558.

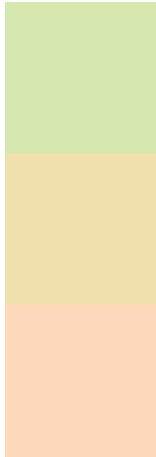


This preview shows how white text looks on a background with the XYZ color 63.8445, 74.8449,

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

63.8445, 74.8449, 52.1558

Protanopia

69.6987, 74.6406, 49.7633

Deuteranopia

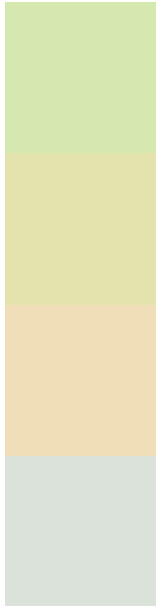
75.1300, 74.5165, 58.0003



Tritanopia

72.0837, 74.4984, 93.7995

Trichromacy



Original Color

63.8445, 74.8449, 52.1558

Protanomaly

67.3250, 74.6133, 50.3886

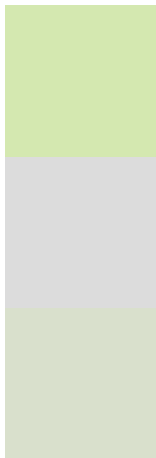
Deuteranomaly

70.3696, 74.0540, 55.9324

Tritanomaly

68.6342, 74.3079, 76.3711

Monochromacy



Original Color

63.8445, 74.8449, 52.1558

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.1700, 72.4227, 67.6182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8445, 74.8449, 52.1558 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(212, 232, 176)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 176)  
}
```

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(212, 232, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.8445, 74.8449, 52.1558 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(212, 232, 176) }
```


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

```
.border{ border-color:rgb(212, 232, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 232, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 232, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 232, 176);  
box-shadow:4px 4px 4px 4px rgb(212, 232,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8445, 74.8449, 52.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 176) }
```

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

```
.background{ background-color: rgb(212,  
232, 176) }
```

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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