

Converting Colors

XYZ(63.5146, 74.8830, 48.6443)

Have a look what the booklet for
XYZ(63.5146, 74.8830, 48.6443)
contains.

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Color

**XYZ(63.4586, 74.7239,
48.6147)**

Conversions

Conversions Part 1

Format	Color
Hex	D5E8A9
RGB	213, 232, 169
RGB Percent	84%, 91%, 66%
CMY	0.1647, 0.0902, 0.3372
CMYK	0.08, 0.00, 0.27, 0.09
HSL	78°, 58%, 79%
HSV	78°, 27%, 91%
XYZ	63.4586, 74.7239, 48.6147
YIQ	219.1370, 8.8990, -23.6210

Conversions

Conversions Part 2

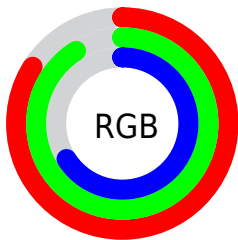
Format	Color
RYB	169, 232, 188
Decimal	14018729
CIELab	89.26, -16.72, 28.63
CIElCh	89, 33.150, 120.282
Yxy	74.7239, 0.3397, 0.4000
Android (android.graphics.Color)	4292208809 (0xFFD5E8A9)
YUV	219.1370, -24.7175, -5.3821
Hunter-Lab	86.4430, -20.2367, 27.1660

Details

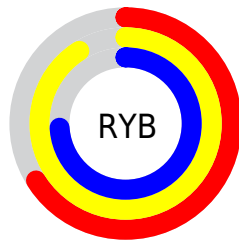
The XYZ color **63.4586, 74.7239, 48.6147** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4955, 44.8956, 82.4051**, and the grayscale version is **67.5905, 71.1105, 77.4393**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **32.7783, 39.5807, 22.4352** is the 20% darker color. If you saturate the color by 10%, you get **59.4852, 72.9076, 38.0507**, and if you desaturate by 10%, it is **67.9100, 76.7466, 61.2214**.

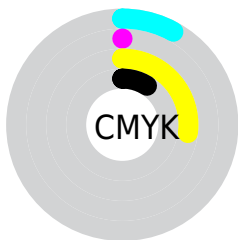
Distribution



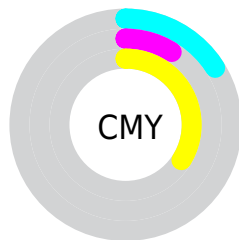
- Red (84%)
- Green (91%)
- Blue (66%)



- Red (66%)
- Yellow (91%)
- Blue (74%)



- Cyan (8%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4586, 74.7239, 48.6147 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 63.4586, 74.7239, 48.6147 by changing the saturation by 10% instead.

63.4586, 74.7239,
48.6147

63.4586, 74.7239,
48.6147

426.8652,
476.9680, 397.8023

46.4724, 55.3867,
33.9505

108.9090,
125.9215, 89.4940

32.8249, 39.7114,
22.5785

138.1038,
158.5506, 116.5461

22.1509, 27.3136,
14.0802

172.0989,
196.3793, 148.5647

14.0851, 17.8089,
8.0371

211.2595,
239.7917, 185.9682

8.2620, 10.8129,
4.0306

255.9511,
289.1725, 229.1751

4.3162, 5.9412,
1.6421

306.5390,

1.8826, 2.8093,

344.9058, 278.6041

0.3206

363.3886,
407.3762, 334.6736

■ 0.5667, 1.0330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4586, 74.7239,
48.6147

■ 63.4586, 74.7239,
48.6147

■ 59.4852, 72.9076,
38.0507

■ 67.9100, 76.7466,
61.2214

■ 55.9625, 71.2790,
29.4169

■ 72.8536, 78.9739,
75.9658

■ 52.8690, 69.8320,
22.5975

■ 78.3100, 81.4167,
92.9425

■ 50.1788, 68.5560,
17.4619

■ 83.1819, 83.6361,
106.3670

■ 47.8627, 67.4393,
13.8626

■ 85.6170, 84.8915,
106.4809

■ 45.8866, 66.4680,
11.6260

■ 88.1450, 86.1947,
106.5992

■ 44.2064, 65.6245,
10.5263

■ 88.1482, 86.1963,
106.5994

■ 43.7627, 65.3999,
10.3169

Harmonies

Analogous

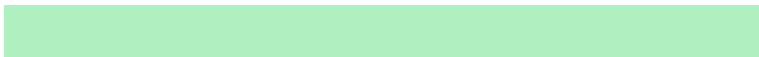
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9463, 74.7239, 44.4260



63.4586, 74.7239, 48.6147



58.3427, 74.7239, 61.2009

Triad

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



63.4586, 74.7239, 48.6147



63.5817, 74.7239, 126.5484



87.7550, 74.7239, 81.1425

Complementary

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



63.4586, 74.7239, 48.6147



49.4955, 44.8956, 82.4051

Split Complementary

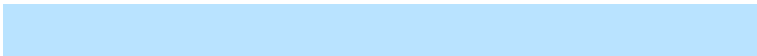
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4187, 74.7239, 105.5249



63.4586, 74.7239, 48.6147



71.0994, 74.7239, 134.5838

Square

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



63.4586, 74.7239, 48.6147



58.4099, 74.7239, 105.9773



79.1655, 74.7239, 126.2542



85.3321, 74.7239, 60.8872

Rectangle

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



63.4586, 74.7239, 48.6147



56.7574, 74.7239, 74.0655



79.1655, 74.7239, 126.2542



87.4983, 74.7239, 89.1219

Sweetspot

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



63.4605, 74.7272, 48.6163



89.7098, 97.6066, 92.4063



58.4047, 55.9465, 45.2577



18.9965, 20.7996, 19.1578



0.0000, 0.0000, 0.0000



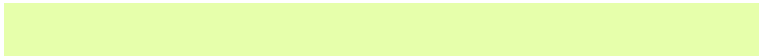
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4605, 74.7272, 48.6163



75.6064, 91.2141, 52.0744



55.2176, 70.4778, 48.2305



15.1562, 16.5876, 15.3074



24.4273, 36.3742, 5.7335



1.8980, 2.7358, 0.4280

Inverse Universe

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



49.4955, 44.8956, 82.4051



55.4105, 48.0563, 100.9631



58.0900, 49.3262, 82.8073



13.9896, 14.0968, 18.1280



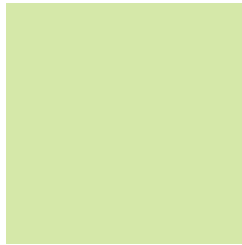
9.5992, 4.0145, 42.6521



0.8009, 0.3438, 3.1561

Previews

White Background



This preview shows how the XYZ color 63.4586, 74.7239, 48.6147 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 63.4586, 74.7239, 48.6147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

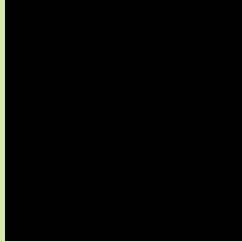
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

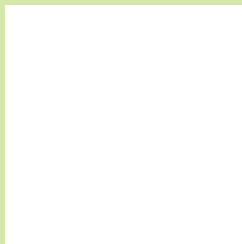
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4586, 74.7239, 48.6147

Background



This preview shows how black text looks on a background with the XYZ color 63.4586, 74.7239, 48.6147.



This preview shows how white text looks on a background with the XYZ color 63.4586, 74.7239,

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

63.4586, 74.7239, 48.6147

Protanopia

69.3824, 74.5532, 46.3307

Deuteranopia

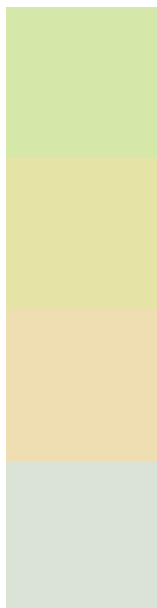
74.8098, 74.3885, 56.3145



Tritanopia

72.5473, 74.7546, 93.0435

Trichromacy



Original Color

63.4586, 74.7239, 48.6147

Protanomaly

66.9851, 74.5143, 46.9286

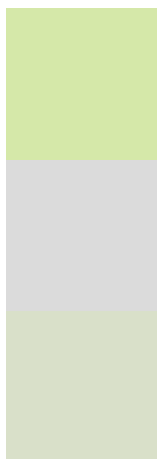
Deuteranomaly

70.1931, 74.0225, 53.2360

Tritanomaly

68.5474, 74.3078, 74.3483

Monochromacy



Original Color

63.4586, 74.7239, 48.6147

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.8135, 72.2801, 65.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4586, 74.7239, 48.6147 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(213, 232, 169)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 169)  
}
```

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(213, 232, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 169) }
```

Border

The CSS property to change the border of an element to XYZ 63.4586, 74.7239, 48.6147 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(213, 232, 169) }
```


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

```
.border{ border-color:rgb(213, 232, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 232, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 232, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 232, 169);  
box-shadow:4px 4px 4px 4px rgb(213, 232,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4586, 74.7239, 48.6147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 169) }
```

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

```
.background{ background-color: rgb(213,  
232, 169) }
```

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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