

Converting Colors

XYZ(64.7721, 73.7531, 43.8195)

Have a look what the booklet for
XYZ(64.7721, 73.7531, 43.8195)
contains.

XYZ(64.7419, 73.8373, 43.6407)	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(64.7419, 73.8373,
43.6407)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E49F
RGB	224, 228, 159
RGB Percent	88%, 89%, 62%
CMY	0.1216, 0.1059, 0.3765
CMYK	0.02, 0.00, 0.30, 0.11
HSL	63°, 56%, 76%
HSV	63°, 30%, 89%
XYZ	64.7419, 73.8373, 43.6407
YIQ	218.9380, 19.7650, -22.3070

Conversions

Conversions Part 2

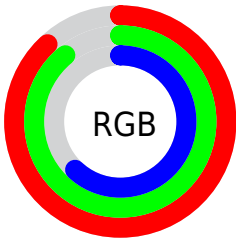
Format	Color
RYB	159, 228, 163
Decimal	14738591
CIELab	88.85, -11.99, 33.31
CIELCh	89, 35.400, 109.795
Yxy	73.8373, 0.3553, 0.4052
Android (android.graphics.Color)	4292928671 (0xFFE0E49F)
YUV	218.9380, -29.5494, 4.4394
Hunter-Lab	85.9286, -15.8864, 30.0383

Details

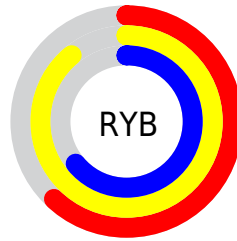
The XYZ color **64.7419, 73.8373, 43.6407** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5088, 38.1862, 78.5859**, and the grayscale version is **67.4794, 70.9936, 77.3121**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **33.7459, 39.2735, 19.7119** is the 20% darker color. If you saturate the color by 10%, you get **62.5352, 72.9100, 34.1449**, and if you desaturate by 10%, it is **67.3205, 74.9189, 55.0619**.

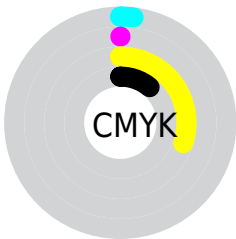
Distribution



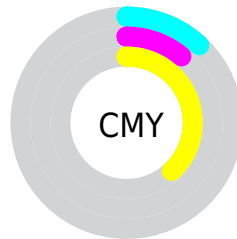
- Red (88%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7419, 73.8373, 43.6407 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 64.7419, 73.8373, 43.6407 by changing the saturation by 10% instead.

64.7419, 73.8373,
43.6407

64.7419, 73.8373,
43.6407

431.4238,
473.9116, 377.2384

47.5157, 54.6609,
30.0530

110.7465,
124.6651, 81.9735

33.6532, 39.1303,
19.6264

140.2556,
157.0854, 107.5557

22.7889, 26.8611,
11.9424

174.5898,
194.6890, 137.9732

14.5576, 17.4689,
6.5824

214.1144,
237.8604, 173.6445

8.5938, 10.5694,
3.1279

259.1947,
286.9839, 214.9881

4.5321, 5.7781,
1.1603

310.1962,

2.0074, 2.7106,

342.4441, 262.4226

0.0000

367.4841,
404.6252, 316.3665

0.6381, 0.9826,
0.0000

0.0000, 0.0000,
0.0000

64.7419, 73.8373,
43.6407

64.7419, 73.8373,
43.6407

62.5352, 72.9100,
34.1449

67.3205, 74.9189,
55.0619

60.6748, 72.1190,
26.4639

70.2840, 76.1522,
68.5015

59.1403, 71.4587,
20.4833

73.6516, 77.5476,
84.0521

57.9074, 70.9194,
16.0737

77.4395, 79.1114,
101.7994

■ 56.9478, 70.4899,
13.0870

■ 78.6268, 79.6354,
105.8348

■ 56.2281, 70.1566,
11.3472

■ 79.0547, 79.8560,
105.8549

■ 55.7020, 69.9024,
10.5567

■ 79.4858, 80.0782,
105.8750

■ 79.9202, 80.3022,
105.8954

■ 80.3578, 80.5278,
105.9158

Harmonies

Analogous

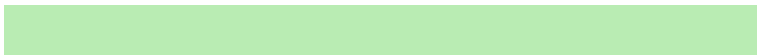
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1429, 73.8373, 42.2949



64.7419, 73.8373, 43.6407



58.3230, 73.8373, 53.5985

Triad

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



64.7419, 73.8373, 43.6407



60.0633, 73.8373, 122.1334



87.6948, 73.8373, 89.0584

Complementary

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



64.7419, 73.8373, 43.6407



41.5088, 38.1862, 78.5859

Split Complementary

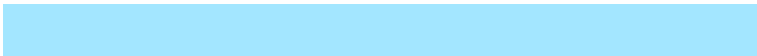
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5444, 73.8373, 114.9027



64.7419, 73.8373, 43.6407



67.2985, 73.8373, 136.4160

Square

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



64.7419, 73.8373, 43.6407



55.7781, 73.8373, 97.4758



75.9147, 73.8373, 133.5293



86.8696, 73.8373, 65.4383

Rectangle

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



64.7419, 73.8373, 43.6407



55.8128, 73.8373, 65.1615



75.9147, 73.8373, 133.5293



86.8230, 73.8373, 97.8378

Sweetspot

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



64.7438, 73.8406, 43.6423



91.0842, 98.3572, 90.5654



51.2551, 44.9986, 38.7861



19.3672, 20.9991, 18.7958



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.



64.7438, 73.8406, 43.6423



81.6954, 94.4348, 48.6663



55.2519, 68.9474, 43.1980



15.5146, 16.7724, 15.3241



32.1980, 40.3802, 6.0971



2.4046, 2.9970, 0.4517

Inverse Universe

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



41.5088, 38.1862, 78.5859



47.4440, 41.8685, 100.1886



49.4169, 42.2630, 78.9560



13.6599, 13.9269, 18.1125



8.2159, 3.3013, 42.5874



0.6346, 0.2581, 3.1483

Previews

White Background



This preview shows how the XYZ color 64.7419, 73.8373, 43.6407 looks on a white background.

Color Contrast Check

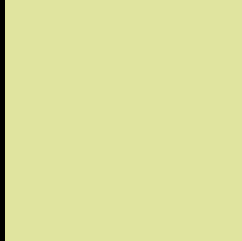
Large Text (above 18pt) WCAG AA × Fail

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 64.7419, 73.8373, 43.6407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

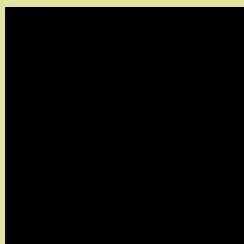
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

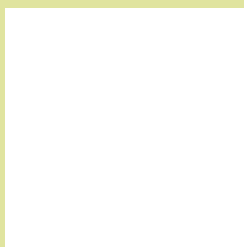
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7419, 73.8373, 43.6407

Background



This preview shows how black text looks on a background with the XYZ color 64.7419, 73.8373, 43.6407.



This preview shows how white text looks on a background with the XYZ color 64.7419, 73.8373,

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

64.7419, 73.8373, 43.6407

Protanopia

68.7491, 73.9104, 42.5410

Deuteranopia

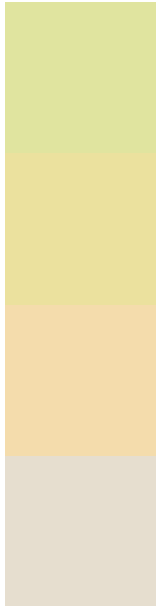
73.9326, 73.6264, 52.9625



Tritanopia

73.9985, 73.6334, 88.9098

Trichromacy



Original Color

64.7419, 73.8373, 43.6407

Protanomaly

67.3577, 73.9812, 43.0774

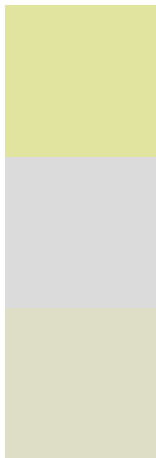
Deuteranomaly

70.3478, 73.3981, 49.4892

Tritanomaly

70.0169, 73.5705, 69.5417

Monochromacy



Original Color

64.7419, 73.8373, 43.6407

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.0181, 71.6459, 63.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7419, 73.8373, 43.6407 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(224, 228, 159)` looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 159)  
}
```

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(224, 228, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 159) }
```

Border

The CSS property to change the border of an element to XYZ 64.7419, 73.8373, 43.6407 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(224, 228, 159) }
```


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

```
.border{ border-color:rgb(224, 228, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 228, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 159);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7419, 73.8373, 43.6407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 159) }
```

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

```
.background{ background-color: rgb(224,  
228, 159) }
```

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