

Converting Colors

XYZ(64.3720, 72.9170, 57.1912)

Have a look what the booklet for
XYZ(64.3720, 72.9170, 57.1912)
contains.

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Color

**XYZ(64.3563, 72.9304,
57.1394)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E3BA
RGB	215, 227, 186
RGB Percent	84%, 89%, 73%
CMY	0.1569, 0.1098, 0.2706
CMYK	0.05, 0.00, 0.18, 0.11
HSL	78°, 42%, 81%
HSV	78°, 18%, 89%
XYZ	64.3563, 72.9304, 57.1394
YIQ	218.7380, 6.0090, -15.2950

Conversions

Conversions Part 2

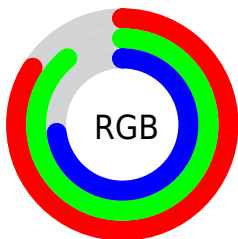
Format	Color
RYB	186, 227, 198
Decimal	14148538
CIELab	88.41, -11.01, 18.70
CIElCh	88, 21.702, 120.472
Yxy	72.9304, 0.3310, 0.3751
Android (android.graphics.Color)	4292338618 (0xFFD7E3BA)
YUV	218.7380, -16.1398, -3.2782
Hunter-Lab	85.3993, -14.9324, 20.1095

Details

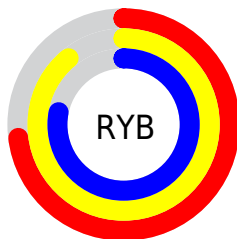
The XYZ color **64.3563, 72.9304, 57.1394** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.7157, 52.6716, 79.9598**, and the grayscale version is **67.2574, 70.7600, 77.0576**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **33.4834, 38.6721, 27.8900** is the 20% darker color. If you saturate the color by 10%, you get **60.2207, 71.0577, 45.3336**, and if you desaturate by 10%, it is **68.9585, 75.0038, 70.9713**.

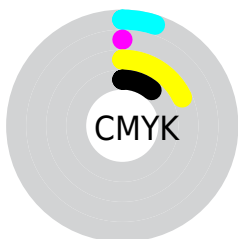
Distribution



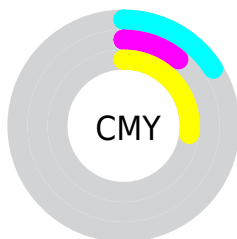
- Red (84%)
- Green (89%)
- Blue (73%)



- Red (73%)
- Yellow (89%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3563, 72.9304, 57.1394 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 64.3563, 72.9304, 57.1394 by changing the saturation by 10% instead.

■ 64.3563, 72.9304,
57.1394

■ 64.3563, 72.9304,
57.1394

430.0570,
470.7736, 431.4798

■ 47.2021, 53.9191,
40.7071

■ 110.1948,
123.3784, 102.1709

■ 33.4040, 38.5370,
27.7723

139.6097,
155.5838, 131.6072

■ 22.5969, 26.3997,
17.9165

173.8423,
192.9561, 166.2152

■ 14.4152, 17.1229,
10.7213

213.2579,
235.8796, 206.4134

■ 8.4936, 10.3222,
5.7679

258.2218,
284.7387, 252.6205

■ 4.4668, 5.6131,
2.6380

309.0994,

■ 1.9695, 2.6113,

339.9178, 305.2548

0.9120

366.2560,
401.8013, 364.7351

0.6167, 0.9323,
0.0000

0.0000, 0.0000,
0.0000

64.3563, 72.9304,
57.1394

64.3563, 72.9304,
57.1394

60.2207, 71.0577,
45.3336

68.9585, 75.0038,
70.9713

56.5269, 69.3683,
35.4540

74.0393, 77.2754,
86.9134

53.2564, 67.8572,
27.3993

79.6174, 79.7554,
105.0509

50.3869, 66.5153,
21.0572

81.9963, 80.9651,
105.9139

■ 47.8937, 65.3327,
16.3028

■ 84.3141, 82.1600,
106.0224

■ 45.7490, 64.2980,
12.9944

■ 86.7156, 83.3980,
106.1348

■ 43.9199, 63.3981,
10.9651

■ 86.7606, 83.4212,
106.1369

■ 42.3607, 62.6145,
9.9795

■ 42.0768, 62.4709,
9.8404

Harmonies

Analogous

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



69.2356, 72.9304, 54.0138



64.3563, 72.9304, 57.1394



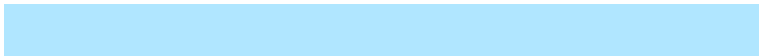
60.9539, 72.9304, 66.0790

Triad

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



64.3563, 72.9304, 57.1394



64.4925, 72.9304, 107.1101



79.8369, 72.9304, 79.1726

Complementary

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



64.3563, 72.9304, 57.1394



54.7157, 52.6716, 79.9598

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.



78.4146, 72.9304, 94.4206



64.3563, 72.9304, 57.1394



69.4007, 72.9304, 111.7276

Square

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



64.3563, 72.9304, 57.1394



61.0297, 72.9304, 94.8809



74.5287, 72.9304, 106.8218



78.3251, 72.9304, 65.7174

Rectangle

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



64.3563, 72.9304, 57.1394



59.8916, 72.9304, 74.7491



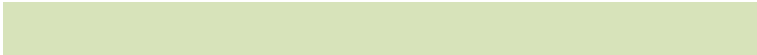
74.5287, 72.9304, 106.8218



79.6853, 72.9304, 84.2583

Sweetspot

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



64.3582, 72.9336, 57.1410



91.7046, 98.5047, 98.3814



60.6506, 60.0915, 54.8576



19.5307, 21.0402, 20.7534



0.0000, 0.0000, 0.0000



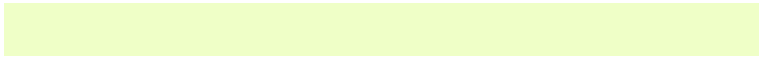
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3582, 72.9336, 57.1410



81.5106, 93.9158, 67.8035



58.8099, 70.0733, 56.8813



15.1691, 16.5942, 15.3080



24.6596, 36.4940, 5.7443



1.9138, 2.7440, 0.4288

Inverse Universe

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



54.7157, 52.6716, 79.9598



66.5702, 62.5171, 103.1661



60.3749, 55.5891, 80.2247



13.9773, 14.0905, 18.1274



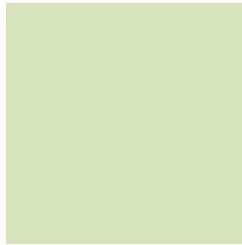
9.5158, 3.9715, 42.6482



0.7934, 0.3400, 3.1558

Previews

White Background



This preview shows how the XYZ color 64.3563, 72.9304, 57.1394 looks on a white background.

Color Contrast Check

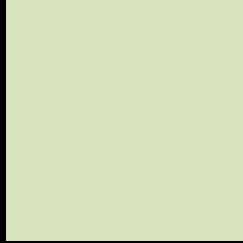
Large Text (above 18pt) WCAG AA × Fail

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 64.3563, 72.9304, 57.1394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

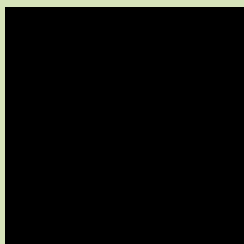
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

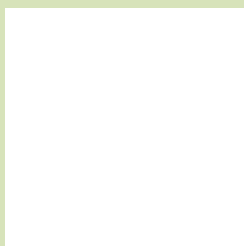
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3563, 72.9304, 57.1394

Background



This preview shows how black text looks on a background with the XYZ color 64.3563, 72.9304, 57.1394.



This preview shows how white text looks on a background with the XYZ color 64.3563, 72.9304,

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

64.3563, 72.9304, 57.1394

Protanopia

68.3354, 72.6242, 55.2160

Deuteranopia

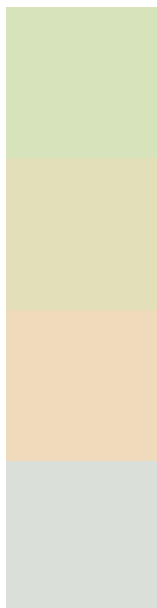
74.2196, 72.5226, 58.2306



Tritanopia

71.0035, 72.8304, 90.4362

Trichromacy



Original Color

64.3563, 72.9304, 57.1394

Protanomaly

66.7180, 72.5669, 55.8378

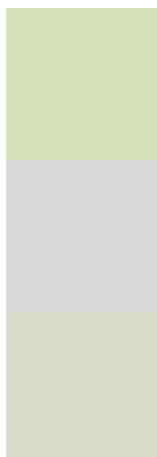
Deuteranomaly

70.0837, 72.2989, 57.8382

Tritanomaly

68.2560, 72.8974, 76.8028

Monochromacy



Original Color

64.3563, 72.9304, 57.1394

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2972, 71.6530, 69.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3563, 72.9304, 57.1394 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(215, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(215, 227, 186)  
}
```

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(215, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 227, 186) }
```

Border

The CSS property to change the border of an element to XYZ 64.3563, 72.9304, 57.1394 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(215, 227, 186) }
```


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

```
.border{ border-color:rgb(215, 227, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 227, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 227, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 227, 186); box-shadow:4px 4px 4px 4px rgb(215, 227, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3563, 72.9304, 57.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 227, 186) }
```

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

```
.background{ background-color: rgb(215,  
227, 186) }
```

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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