

Converting Colors

XYZ(64.4548, 71.9051, 43.2133)

Have a look what the booklet for
XYZ(64.4548, 71.9051, 43.2133)
contains.

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Color

**XYZ(64.5922, 72.1454,
43.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E09F
RGB	227, 224, 159
RGB Percent	89%, 88%, 62%
CMY	0.1098, 0.1215, 0.3765
CMYK	0.00, 0.01, 0.30, 0.11
HSL	57°, 55%, 76%
HSV	57°, 30%, 89%
XYZ	64.5922, 72.1454, 43.3220
YIQ	217.4870, 22.6530, -19.5790

Conversions

Conversions Part 2

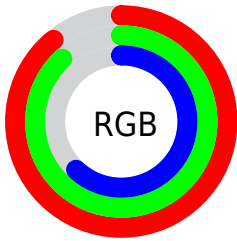
Format	Color
R_{YB}	162, 227, 159
Decimal	14934175
CIE _{Lab}	88.04, -8.85, 32.28
CIE _{LCh}	88, 33.468, 105.332
Y _{xy}	72.1454, 0.3587, 0.4007
Android (android.graphics.Color)	4293124255 (0xFFE3E09F)
YUV	217.4870, -28.8341, 8.3429
Hunter-Lab	84.9384, -12.9004, 29.2166

Details

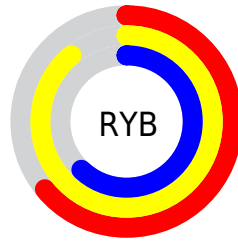
The XYZ color **64.5922, 72.1454, 43.3220** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.0834, 38.7566, 77.9886**, and the grayscale version is **66.4701, 69.9317, 76.1557**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **33.6364, 38.0954, 19.4902** is the 20% darker color. If you saturate the color by 10%, you get **62.5334, 70.8958, 33.7937**, and if you desaturate by 10%, it is **67.0180, 73.5494, 54.7590**.

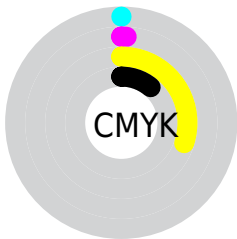
Distribution



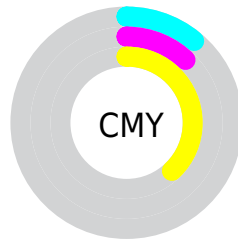
- Red (89%)
- Green (88%)
- Blue (62%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (30%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5922, 72.1454, 43.3220 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 64.5922, 72.1454, 43.3220 by changing the saturation by 10% instead.


 64.5922, 72.1454,
43.3220


 64.5922, 72.1454,
43.3220

430.8935,
468.0475, 375.8944

 47.3940, 53.2775,
29.8046


 110.5323,
122.2632, 81.4881

 33.5565, 38.0243,
19.4395


 140.0049,
154.2819, 106.9739

 22.7143, 26.0016,
11.8083


174.2997,
191.4530, 137.2862

 14.5022, 16.8248,
6.4923

213.7820,
234.1608, 172.8435

 8.5548, 10.1097,
3.0731

258.8172,
282.7897, 214.0645

 4.5067, 5.4717,
1.1321

309.7706,

 1.9926, 2.5266,

337.7243, 261.3676

0.0000

367.0075,
399.3487, 315.1714

■ 0.6298, 0.8899,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5922, 72.1454,
43.3220

■ 64.5922, 72.1454,
43.3220

■ 62.5334, 70.8958,
33.7937

■ 67.0180, 73.5494,
54.7590

■ 60.8163, 69.7829,
26.0652

■ 69.8237, 75.1053,
68.1967

■ 59.4210, 68.8012,
20.0236

■ 73.0282, 76.8233,
83.7265

■ 58.3233, 67.9411,
15.5412

■ 76.6475, 78.7098,
101.4328

■ 57.4956, 67.1914,
12.4725

■ 77.7490, 79.5917,
105.8727

■ 56.9048, 66.5391,
10.6444

■ 78.0264, 80.1465,
105.9651

■ 56.4943, 65.9613,
9.7572

■ 78.3054, 80.7044,
106.0581

■ 56.4925, 65.9588,
9.7538

■ 78.5859, 81.2656,
106.1517

■ 78.8681, 81.8300,
106.2457

Harmonies

Analogous

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



72.5337, 72.1454, 43.2334



64.5922, 72.1454, 43.3220



58.2225, 72.1454, 51.5206

Triad

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



64.5922, 72.1454, 43.3220



58.3353, 72.1454, 114.1576



84.5227, 72.1454, 90.2224

Complementary

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



64.5922, 72.1454, 43.3220



41.0834, 38.7566, 77.9886

Split Complementary

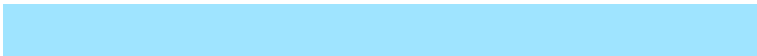
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0806, 72.1454, 113.6963



64.5922, 72.1454, 43.3220



64.7574, 72.1454, 129.2301

Square

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



64.5922, 72.1454, 43.3220



54.8057, 72.1454, 90.7629



72.7121, 72.1454, 129.0466



84.4698, 72.1454, 67.4923

Rectangle

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



64.5922, 72.1454, 43.3220



55.5451, 72.1454, 61.5948



72.7121, 72.1454, 129.0466



83.4914, 72.1454, 98.3714

Sweetspot

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



64.5940, 72.1487, 43.3235



91.2510, 97.9659, 90.4810



50.6345, 43.7509, 40.1462



19.4087, 20.9019, 18.7749



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.



64.5940, 72.1487, 43.3235



82.3527, 92.8794, 48.3314



56.5968, 69.2312, 43.1819



15.5444, 16.7026, 15.3091



32.9700, 38.5141, 5.6963



2.4533, 2.8799, 0.4266

Inverse Universe

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



41.0834, 38.7566, 77.9886



47.0584, 42.7540, 100.3798



47.3994, 41.2390, 78.1348



13.6335, 13.9884, 18.1258



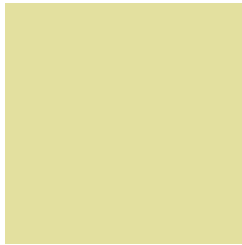
8.1715, 3.4051, 42.6097



0.6219, 0.2878, 3.1547

Previews

White Background



This preview shows how the XYZ color 64.5922, 72.1454, 43.3220 looks on a white background.

Color Contrast Check

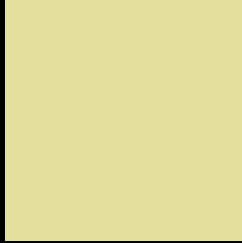
Large Text (above 18pt) WCAG AA × Fail

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 64.5922, 72.1454, 43.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

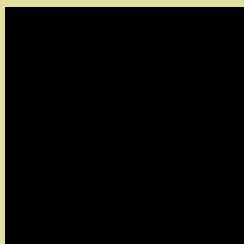
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

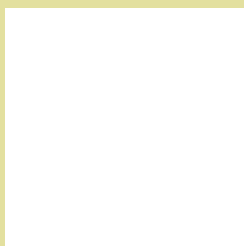
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5922, 72.1454, 43.3220

Background



This preview shows how black text looks on a background with the XYZ color 64.5922, 72.1454, 43.3220.



This preview shows how white text looks on a background with the XYZ color 64.5922, 72.1454,

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

64.5922, 72.1454, 43.3220

Protanopia

67.2879, 72.3587, 42.7679

Deuteranopia

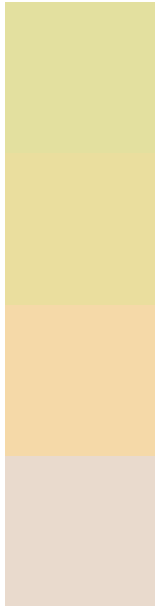
72.5771, 71.8656, 49.5814



Tritanopia

73.4580, 72.2599, 86.4198

Trichromacy



Original Color

64.5922, 72.1454, 43.3220

Protanomaly

66.2245, 72.2036, 42.7940

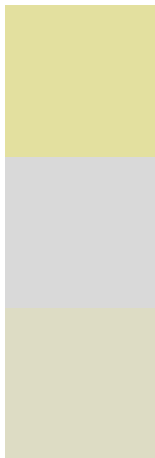
Deuteranomaly

69.5369, 71.8653, 47.2522

Tritanomaly

69.6951, 71.8742, 67.9574

Monochromacy



Original Color

64.5922, 72.1454, 43.3220

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3758, 70.5441, 62.3952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5922, 72.1454, 43.3220 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(227, 224, 159)` looks like.

```
.text, #text, p{  
    color:rgb(227, 224, 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(227, 224, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 224, 159) }
```

Border

The CSS property to change the border of an element to XYZ 64.5922, 72.1454, 43.3220 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(227, 224, 159) }
```


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

```
.border{ border-color:rgb(227, 224, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 224, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 224, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 224, 159); box-shadow:4px 4px 4px 4px rgb(227, 224, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5922, 72.1454, 43.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 224, 159) }
```

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

```
.background{ background-color: rgb(227,  
224, 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](#).

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