

Converting Colors

XYZ(62.8323, 72.0650, 51.5709)

Have a look what the booklet for
XYZ(62.8323, 72.0650, 51.5709)
contains.

XYZ(63.0371, 72.3689, 51.7205)	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(63.0371, 72.3689,
51.7205)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E3B0
RGB	214, 227, 176
RGB Percent	84%, 89%, 69%
CMY	0.1608, 0.1098, 0.3098
CMYK	0.06, 0.00, 0.22, 0.11
HSL	75°, 48%, 79%
HSV	75°, 22%, 89%
XYZ	63.0371, 72.3689, 51.7205
YIQ	217.2990, 8.6230, -18.6170

Conversions

Conversions Part 2

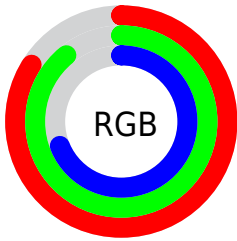
Format	Color
RYB	176, 227, 189
Decimal	14082992
CIELab	88.15, -12.87, 23.51
CIElCh	88, 26.803, 118.693
Yxy	72.3689, 0.3369, 0.3867
Android (android.graphics.Color)	4292273072 (0xFFD6E3B0)
YUV	217.2990, -20.3604, -2.8932
Hunter-Lab	85.0699, -16.6032, 23.5020

Details

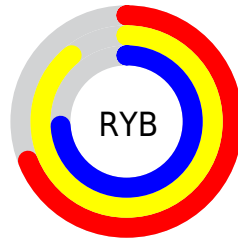
The XYZ color **63.0371, 72.3689, 51.7205** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.3796, 47.4175, 79.1742**, and the grayscale version is **66.2912, 69.7435, 75.9507**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.6258, 38.3060, 24.4131** is the 20% darker color. If you saturate the color by 10%, you get **59.3175, 70.6918, 40.7862**, and if you desaturate by 10%, it is **67.1962, 74.2336, 64.6389**.

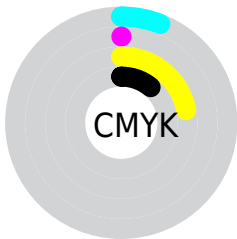
Distribution



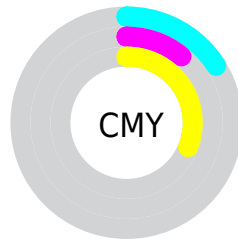
- Red (84%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0371, 72.3689, 51.7205 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 63.0371, 72.3689, 51.7205 by changing the saturation by 10% instead.

■ 63.0371, 72.3689,
51.7205

■ 63.0371, 72.3689,
51.7205

425.3616,
468.8246, 410.2828

■ 46.1300, 53.4601,
36.4016

■ 108.3045,
122.5809, 94.1413

■ 32.5535, 38.1702,
24.4524

137.3956,
154.6528, 122.0803

■ 21.9422, 26.1148,
15.4543

171.2786,
191.8812, 155.0631

■ 13.9308, 16.9095,
8.9887

210.3191,
234.6505, 193.5082

■ 8.1539, 10.1700,
4.6371

254.8822,
283.3451, 237.8342

■ 4.2462, 5.5118,
1.9810

305.3335,

■ 1.8424, 2.5506,

338.3494, 288.4596

0.5435

362.0382,
400.0478, 345.8030

■ 0.5430, 0.9019,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0371, 72.3689,
51.7205

■ 63.0371, 72.3689,
51.7205

■ 59.3175, 70.6918,
40.7862

■ 67.1962, 74.2336,
64.6389

■ 56.0124, 69.1849,
31.7330

■ 71.8071, 76.2836,
79.6281

■ 53.1028, 67.8430,
24.4558

■ 76.8885, 78.5289,
96.7757

■ 50.5658, 66.6569,
18.8370

■ 80.4969, 80.1921,
105.8437

■ 48.3758, 65.6162,
14.7451

■ 82.4626, 81.2055,
105.9357

■ 46.5033, 64.7091,
12.0287

■ 84.4913, 82.2513,
106.0307

■ 44.9131, 63.9214,
10.5052

■ 86.5835, 83.3299,
106.1286

■ 43.8592, 63.3898,
9.9238

■ 86.7606, 83.4212,
106.1369

Harmonies

Analogous

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



69.0660, 72.3689, 48.5233



63.0371, 72.3689, 51.7205



58.7856, 72.3689, 61.8473

Triad

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



63.0371, 72.3689, 51.7205



62.5788, 72.3689, 112.9536



81.8519, 72.3689, 79.6053

Complementary

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



63.0371, 72.3689, 51.7205



50.3796, 47.4175, 79.1742

Split Complementary

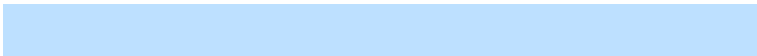
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8574, 72.3689, 98.5919



63.0371, 72.3689, 51.7205



68.5037, 72.3689, 119.6002

Square

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



63.0371, 72.3689, 51.7205



58.5328, 72.3689, 96.9815



74.8710, 72.3689, 113.9803



80.1683, 72.3689, 63.0415

Rectangle

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



63.0371, 72.3689, 51.7205



57.3964, 72.3689, 72.0793



74.8710, 72.3689, 113.9803



81.5872, 72.3689, 85.9205

Sweetspot

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



63.0390, 72.3721, 51.7221



90.6533, 98.0502, 94.3833



57.6615, 55.7554, 48.7981



19.3254, 20.9520, 19.9478



0.0000, 0.0000, 0.0000



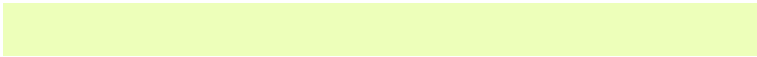
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0390, 72.3721, 51.7221



79.7125, 93.1527, 60.3170



56.2323, 68.8631, 51.4035



15.2240, 16.6225, 15.3105



25.6907, 37.0255, 5.7926



1.9830, 2.7796, 0.4320

Inverse Universe

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



50.3796, 47.4175, 79.1742



60.4617, 55.1968, 102.0751



57.1976, 50.9323, 79.4933



13.9256, 14.0638, 18.1250



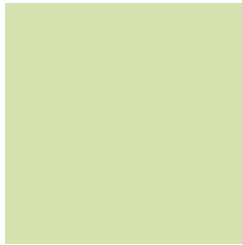
9.1911, 3.8041, 42.6330



0.7636, 0.3246, 3.1544

Previews

White Background



This preview shows how the XYZ color 63.0371, 72.3689, 51.7205 looks on a white background.

Color Contrast Check

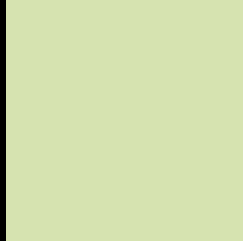
Large Text (above 18pt) WCAG AA × Fail

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 63.0371, 72.3689, 51.7205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

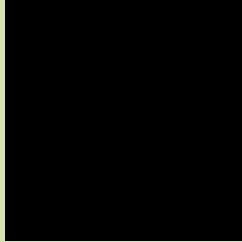
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

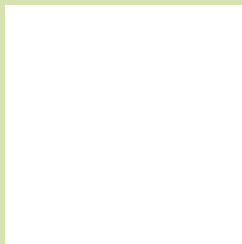
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0371, 72.3689, 51.7205

Background



This preview shows how black text looks on a background with the XYZ color 63.0371, 72.3689, 51.7205.



This preview shows how white text looks on a background with the XYZ color 63.0371, 72.3689,

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

63.0371, 72.3689, 51.7205

Protanopia

67.6602, 72.3922, 49.9422

Deuteranopia

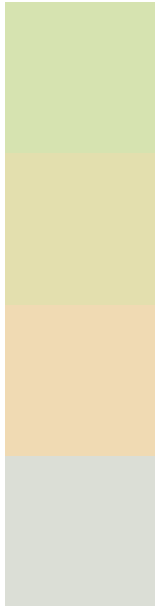
73.3747, 72.1847, 53.7818



Tritanopia

70.5960, 72.2488, 89.5815

Trichromacy



Original Color

63.0371, 72.3689, 51.7205

Protanomaly

65.7062, 72.1622, 50.5100

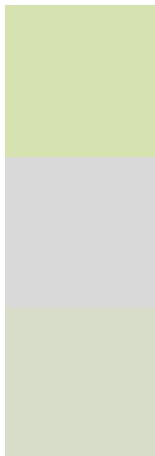
Deuteranomaly

69.1433, 71.9227, 52.8861

Tritanomaly

67.4723, 72.1577, 73.9900

Monochromacy



Original Color

63.0371, 72.3689, 51.7205

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.8360, 70.5761, 66.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0371, 72.3689, 51.7205 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(214, 227, 176)` looks like.

```
.text, #text, p{  
    color:rgb(214, 227, 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(214, 227, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 227, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.0371, 72.3689, 51.7205 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(214, 227, 176) }
```


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

```
.border{ border-color:rgb(214, 227, 176) }
```

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

Here you see how a box with a 4 pixel rgb(214, 227, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 227, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 227, 176);  
box-shadow:4px 4px 4px 4px rgb(214, 227,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0371, 72.3689, 51.7205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 227, 176) }
```

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

```
.background{ background-color: rgb(214,  
227, 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](#).

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