

Converting Colors

XYZ(63.9060, 70.0064, 51.1905)

Have a look what the booklet for
XYZ(63.9060, 70.0064, 51.1905)
contains.

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Color

**XYZ(63.8611, 70.0090,
51.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDCB0
RGB	223, 220, 176
RGB Percent	87%, 86%, 69%
CMY	0.1255, 0.1372, 0.3098
CMYK	0.00, 0.01, 0.21, 0.13
HSL	56°, 42%, 78%
HSV	56°, 21%, 87%
XYZ	63.8611, 70.0090, 51.2215
YIQ	215.8810, 15.9120, -13.0480

Conversions

Conversions Part 2

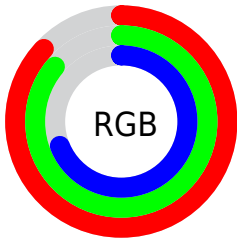
Format	Color
RYB	179, 223, 176
Decimal	14671024
CIELab	87.00, -6.04, 22.04
CIELCh	87, 22.855, 105.332
Yxy	70.0090, 0.3450, 0.3782
Android (android.graphics.Color)	4292861104 (0xFFDFDCB0)
YUV	215.8810, -19.6613, 6.2434
Hunter-Lab	83.6714, -10.1871, 22.2741

Details

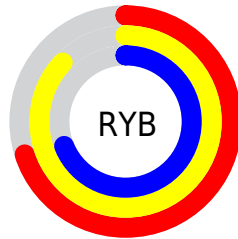
The XYZ color **63.8611, 70.0090, 51.2215** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.3437, 46.7969, 76.3498**, and the grayscale version is **65.3128, 68.7142, 74.8298**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.9666, 36.5558, 24.0573** is the 20% darker color. If you saturate the color by 10%, you get **61.4628, 68.4579, 40.4160**, and if you desaturate by 10%, it is **66.6287, 71.7177, 63.9400**.

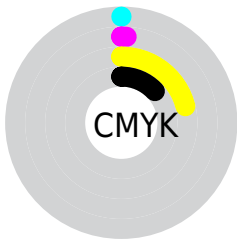
Distribution



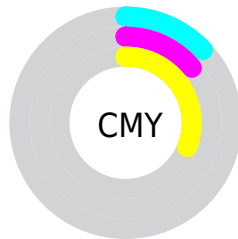
- Red (87%)
- Green (86%)
- Blue (69%)



- Red (70%)
- Yellow (87%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8611, 70.0090, 51.2215 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 63.8611, 70.0090, 51.2215 by changing the saturation by 10% instead.

■ 63.8611, 70.0090,
51.2215

■ 63.8611, 70.0090,
51.2215

428.2980,
460.5816, 408.2948

■ 46.7994, 51.5339,
36.0070

■ 109.4857,
119.2216, 93.3970

■ 33.0844, 36.6337,
24.1498

138.7794,
150.7278, 121.1950

■ 22.3507, 24.9240,
15.2316

172.8811,
187.3466, 154.0245

■ 14.2328, 16.0204,
8.8337

212.1563,
229.4622, 192.3042

■ 8.3656, 9.5386,
4.5375

256.9702,
277.4592, 236.4525

■ 4.3835, 5.0941,
1.9246

307.6882,

■ 1.9213, 2.3026,

331.7218, 286.8881

0.5083

364.6757,
392.6344, 344.0293

■ 0.5892, 0.7751,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8611, 70.0090,
51.2215

■ 63.8611, 70.0090,
51.2215

■ 61.4628, 68.4579,
40.4160

■ 66.6287, 71.7177,
63.9400

■ 59.4107, 67.0479,
31.4260

■ 69.7767, 73.5813,
78.6538

■ 57.6874, 65.7744,
24.1520

■ 73.3223, 75.6090,
95.4459

■ 56.2719, 64.6292,
18.4832

■ 75.5936, 77.1321,
105.5115

■ 55.1407, 63.6026,
14.2960

■ 75.9809, 77.9067,
105.6406

■ 54.2668, 62.6840,
11.4485

■ 76.3714, 78.6877,
105.7708

■ 53.6181, 61.8605,
9.7715

■ 76.7652, 79.4752,
105.9020

■ 53.1808, 61.1864,
9.0072

■ 77.1621, 80.2691,
106.0344

■ 77.5623, 81.0695,
106.1678

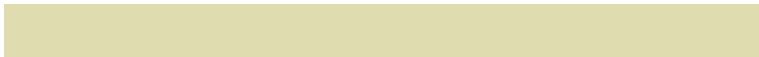
Harmonies

Analogous

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



69.1777, 70.0090, 51.1539



63.8611, 70.0090, 51.2215



59.4973, 70.0090, 57.3534

Triad

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



63.8611, 70.0090, 51.2215



59.5754, 70.0090, 99.1331



76.9863, 70.0090, 83.9260

Complementary

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



63.8611, 70.0090, 51.2215



47.3437, 46.7969, 76.3498

Split Complementary

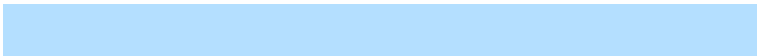
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1208, 70.0090, 98.8462



63.8611, 70.0090, 51.2215



63.9730, 70.0090, 108.3916

Square

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



63.8611, 70.0090, 51.2215



57.1146, 70.0090, 84.2775



69.2958, 70.0090, 108.2801



76.9523, 70.0090, 68.7079

Rectangle

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



63.8611, 70.0090, 51.2215



57.6329, 70.0090, 64.5925



69.2958, 70.0090, 108.2801



76.3237, 70.0090, 89.1829

Sweetspot

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



63.8629, 70.0121, 51.2230



92.3734, 98.4330, 96.3355



54.1076, 49.9996, 49.5186



19.7119, 21.0332, 20.3401



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.



63.8629, 70.0121, 51.2230



85.1493, 93.9881, 63.0883



58.7536, 68.5555, 51.2111



14.7931, 15.8721, 14.5907



31.3012, 36.0403, 5.3067



2.1925, 2.5439, 0.3755

Inverse Universe

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



47.3437, 46.7969, 76.3498



59.1839, 57.4991, 102.5868



51.7058, 48.1643, 76.3838



13.0218, 13.3827, 17.2845



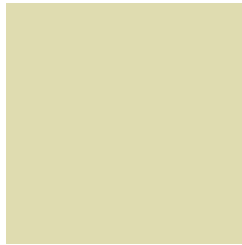
7.9536, 3.3768, 41.2810



0.5763, 0.2842, 2.8697

Previews

White Background



This preview shows how the XYZ color 63.8611, 70.0090, 51.2215 looks on a white background.

Color Contrast Check

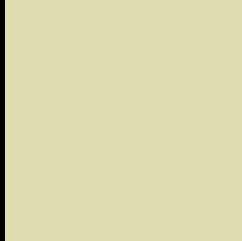
Large Text (above 18pt) WCAG AA × Fail

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 63.8611, 70.0090, 51.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

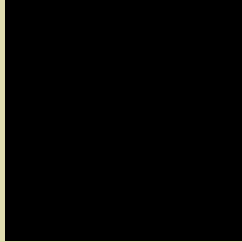
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8611, 70.0090, 51.2215

Background



This preview shows how black text looks on a background with the XYZ color 63.8611, 70.0090, 51.2215.



This preview shows how white text looks on a background with the XYZ color 63.8611, 70.0090,

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

63.8611, 70.0090, 51.2215

Protanopia

65.5057, 69.7098, 50.5603

Deuteranopia

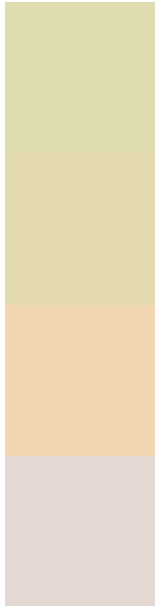
71.3444, 69.6979, 51.8123



Tritanopia

70.5702, 70.0686, 83.9339

Trichromacy



Original Color

63.8611, 70.0090, 51.2215

Protanomaly

64.8042, 69.7319, 50.6015

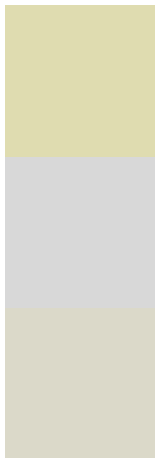
Deuteranomaly

68.3480, 69.6401, 51.4345

Tritanomaly

67.8673, 70.0958, 70.9256

Monochromacy



Original Color

63.8611, 70.0090, 51.2215

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5689, 68.9028, 65.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8611, 70.0090, 51.2215 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(223, 220, 176)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 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(223, 220, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.8611, 70.0090, 51.2215 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(223, 220, 176) }
```


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

```
.border{ border-color:rgb(223, 220, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 220, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 220, 176); box-shadow:4px 4px 4px 4px rgb(223, 220, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8611, 70.0090, 51.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 176) }
```

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

```
.background{ background-color: rgb(223,  
220, 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](#).

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