

Converting Colors

XYZ(63.8419, 69.1782, 56.2107)

Have a look what the booklet for
XYZ(63.8419, 69.1782, 56.2107)
contains.

XYZ(63.7531, 69.0601, 56.4242)	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(63.7531, 69.0601,
56.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDABA
RGB	221, 218, 186
RGB Percent	87%, 85%, 73%
CMY	0.1333, 0.1451, 0.2706
CMYK	0.00, 0.01, 0.16, 0.13
HSL	55°, 34%, 80%
HSV	55°, 16%, 87%
XYZ	63.7531, 69.0601, 56.4242
YIQ	215.2490, 12.0600, -9.3160

Conversions

Conversions Part 2

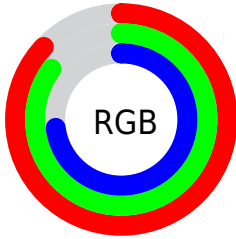
Format	Color
RYB	189, 221, 186
Decimal	14539450
CIELab	86.53, -4.28, 16.14
CIELCh	87, 16.695, 104.837
Yxy	69.0601, 0.3369, 0.3649
Android (android.graphics.Color)	4292729530 (0xFFDDDABA)
YUV	215.2490, -14.4198, 5.0436
Hunter-Lab	83.1024, -8.4906, 17.9154

Details

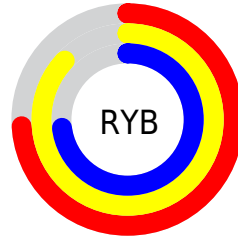
The XYZ color **63.7531, 69.0601, 56.4242** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.4983, 52.0537, 75.7402**, and the grayscale version is **64.8505, 68.2278, 74.3000**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **33.0567, 35.9948, 27.3957** is the 20% darker color. If you saturate the color by 10%, you get **61.0961, 67.2193, 44.8300**, and if you desaturate by 10%, it is **66.7828, 71.0636, 69.9371**.

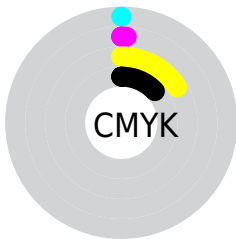
Distribution



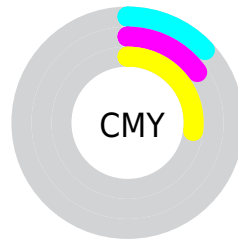
- Red (87%)
- Green (85%)
- Blue (73%)



- Red (74%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (16%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7531, 69.0601, 56.4242 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 63.7531, 69.0601, 56.4242 by changing the saturation by 10% instead.

■ 63.7531, 69.0601,
56.4242

■ 63.7531, 69.0601,
56.4242

427.9139,
457.2429, 428.7213

■ 46.7117, 50.7607,
40.1369

■ 109.3310,
117.8674, 101.1165

■ 33.0148, 36.0182,
27.3307

138.5982,
149.1441, 130.3586

■ 22.2970, 24.4482,
17.5871

172.6713,
185.5153, 164.7559

■ 14.1932, 15.6664,
10.4876

211.9158,
227.3654, 204.7271

■ 8.3377, 9.2884,
5.6136

256.6969,
275.0788, 250.6907

■ 4.3654, 4.9298,
2.5466

307.3801,

■ 1.9109, 2.2061,

329.0399, 303.0653

0.8647

364.3306,
389.6332, 362.2693

■ 0.5831, 0.7233,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7531, 69.0601,
56.4242

■ 63.7531, 69.0601,
56.4242

■ 61.0961, 67.2193,
44.8300

■ 66.7828, 71.0636,
69.9371

■ 58.7896, 65.5253,
35.0623

■ 70.1953, 73.2268,
85.4462

■ 56.8175, 63.9740,
27.0281

■ 74.0072, 75.5588,
103.0303

■ 55.1603, 62.5575,
20.6244

■ 74.9488, 76.7518,
105.4721

■ 53.7962, 61.2670,
15.7373

■ 75.4646, 77.7835,
105.6441

■ 52.7008, 60.0929,
12.2382

■ 75.9862, 78.8266,
105.8179

■ 51.8458, 59.0237,
9.9774

■ 76.5134, 79.8812,
105.9937

■ 51.1958, 58.0452,
8.7698

■ 77.0464, 80.9471,
106.1713

■ 50.9601, 57.6544,
8.4425

■ 77.5852, 82.0246,
106.3509

Harmonies

Analogous

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



67.6045, 69.0601, 56.4501



63.7531, 69.0601, 56.4242



60.5331, 69.0601, 61.0771

Triad

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



63.7531, 69.0601, 56.4242



60.5048, 69.0601, 91.2381



73.0841, 69.0601, 80.9057

Complementary

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



63.7531, 69.0601, 56.4242



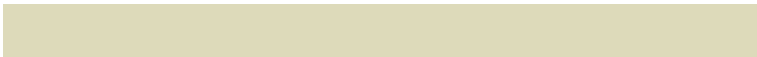
51.4983, 52.0537, 75.7402

Split Complementary

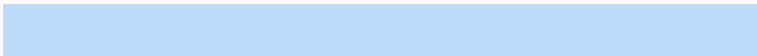
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0254, 69.0601, 91.3356



63.7531, 69.0601, 56.4242



63.7131, 69.0601, 97.6877

Square

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



63.7531, 69.0601, 56.4242



58.7084, 69.0601, 80.7830



67.5629, 69.0601, 97.7251



73.0959, 69.0601, 69.8703

Rectangle

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



63.7531, 69.0601, 56.4242



59.1344, 69.0601, 66.4955



67.5629, 69.0601, 97.7251



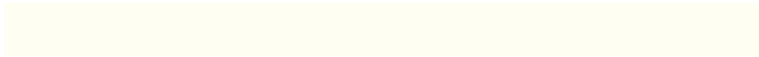
72.6051, 69.0601, 84.6214

Sweetspot

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



63.7549, 69.0632, 56.4257



92.7175, 98.5116, 98.3293



56.6182, 54.1868, 55.9051



19.7775, 21.0418, 20.7407



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.



63.7549, 69.0632, 56.4257



86.8990, 94.6460, 72.4319



60.4522, 68.5241, 56.4957



14.0620, 15.0633, 13.8919



29.6449, 33.5753, 4.9182



1.9492, 2.2325, 0.3282

Inverse Universe

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



51.4983, 52.0537, 75.7402



66.8755, 66.8585, 103.9880



54.4303, 52.6186, 75.6947



12.4278, 12.7954, 16.4669



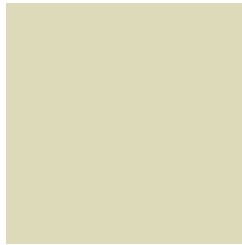
7.7502, 3.3698, 39.9804



0.5338, 0.2817, 2.6007

Previews

White Background



This preview shows how the XYZ color 63.7531, 69.0601, 56.4242 looks on a white background.

Color Contrast Check

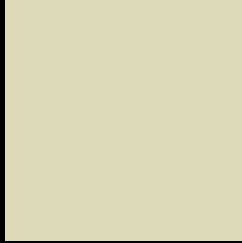
Large Text (above 18pt) WCAG AA × Fail

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 63.7531, 69.0601, 56.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

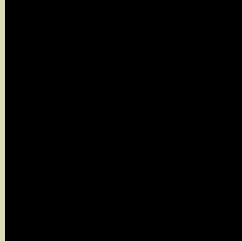
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

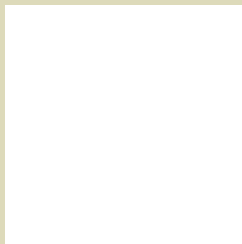
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7531, 69.0601, 56.4242

Background



This preview shows how black text looks on a background with the XYZ color 63.7531, 69.0601, 56.4242.



This preview shows how white text looks on a background with the XYZ color 63.7531, 69.0601,

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

63.7531, 69.0601, 56.4242

Protanopia

65.3077, 69.1085, 55.7961

Deuteranopia

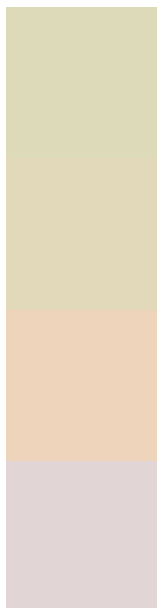
70.3444, 68.6990, 57.1296



Tritanopia

69.3649, 69.0750, 83.8056

Trichromacy



Original Color

63.7531, 69.0601, 56.4242

Protanomaly

64.6211, 69.1360, 55.8376

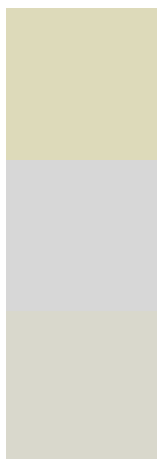
Deuteranomaly

67.7730, 68.8520, 56.7314

Tritanomaly

67.1081, 68.9048, 72.7138

Monochromacy



Original Color

63.7531, 69.0601, 56.4242

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0702, 68.2231, 66.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7531, 69.0601, 56.4242 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(221, 218, 186)` looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 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(221, 218, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 186) }
```

Border

The CSS property to change the border of an element to XYZ 63.7531, 69.0601, 56.4242 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(221, 218, 186) }
```


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

```
.border{ border-color:rgb(221, 218, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 186);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7531, 69.0601, 56.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 186) }
```

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

```
.background{ background-color: rgb(221,  
218, 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](#).

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