

Converting Colors

XYZ(63.8465, 67.7330, 52.2569)

Have a look what the booklet for
XYZ(63.8465, 67.7330, 52.2569)
contains.

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Color

**XYZ(63.8618, 67.6787,
52.3452)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D6B3
RGB	227, 214, 179
RGB Percent	89%, 84%, 70%
CMY	0.1098, 0.1608, 0.2980
CMYK	0.00, 0.06, 0.21, 0.11
HSL	44°, 46%, 80%
HSV	44°, 21%, 89%
XYZ	63.8618, 67.6787, 52.3452
YIQ	213.8970, 18.9830, -8.1290

Conversions

Conversions Part 2

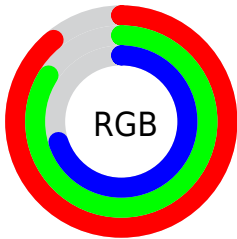
Format	Color
RYB	197, 227, 179
Decimal	14931635
CIELab	85.85, -1.06, 18.92
CIELCh	86, 18.949, 93.206
Yxy	67.6787, 0.3473, 0.3680
Android (android.graphics.Color)	4293121715 (0xFFE3D6B3)
YUV	213.8970, -17.2042, 11.4913
Hunter-Lab	82.2671, -5.4024, 19.8617

Details

The XYZ color **63.8618, 67.6787, 52.3452** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.3049, 52.8278, 80.1662**, and the grayscale version is **63.9519, 67.2823, 73.2705**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **32.9586, 34.9606, 24.7496** is the 20% darker color. If you saturate the color by 10%, you get **60.2268, 63.7850, 40.7240**, and if you desaturate by 10%, it is **67.9370, 71.8470, 65.9793**.

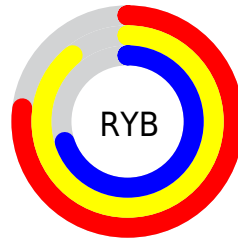
Distribution



Red (89%)

Green (84%)

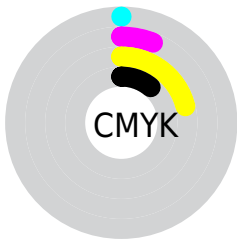
Blue (70%)



Red (77%)

Yellow (89%)

Blue (70%)

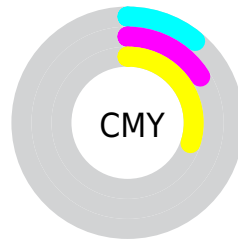


Cyan (0%)

Magenta (6%)

Yellow (21%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8618, 67.6787, 52.3452 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 63.8618, 67.6787, 52.3452 by changing the saturation by 10% instead.

■ 63.8618, 67.6787,
52.3452

■ 63.8618, 67.6787,
52.3452

428.3005,
452.3568, 412.7626

■ 46.8000, 49.6364,
36.8962

■ 109.4867,
115.8924, 95.0719

■ 33.0849, 35.1246,
24.8319

138.7806,
146.8325, 123.1866

■ 22.3510, 23.7588,
15.7340

172.8825,
182.8408, 156.3604

■ 14.2331, 15.1548,
9.1838

212.1578,
224.3015, 195.0116

■ 8.3657, 8.9281,
4.7628

256.9720,
271.5990, 239.5589

■ 4.3836, 4.6943,
2.0525

307.6902,

■ 1.9214, 2.0691,

325.1178, 290.4208

0.5873

364.6780,
385.2423, 348.0159

■ 0.5892, 0.6471,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8618, 67.6787,
52.3452

■ 63.8618, 67.6787,
52.3452

■ 60.2268, 63.7850,
40.7240

■ 67.9370, 71.8470,
65.9793

■ 57.0076, 60.1483,
31.0140

■ 72.4650, 76.2890,
81.7130

■ 54.1853, 56.7621,
23.1108

■ 77.4643, 81.0154,
99.6328

■ 51.7373, 53.6164,
16.8985

■ 80.4748, 85.0432,
106.7812

■ 49.6382, 50.7000,
12.2474

■ 82.3007, 88.6949,
107.3899

■ 47.8593, 48.0003,
9.0090

■ 84.1883, 92.4701,
108.0191

■ 46.3662, 45.5024,
7.0056

■ 85.4887, 95.0710,
108.4525

■ 45.2322, 43.4379,
6.0004

Harmonies

Analogous

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



68.1552, 67.6787, 54.3805



63.8618, 67.6787, 52.3452



59.8715, 67.6787, 55.4774

Triad

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



63.8618, 67.6787, 52.3452



57.6054, 67.6787, 87.5434



72.0526, 67.6787, 84.9766

Complementary

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



63.8618, 67.6787, 52.3452



51.3049, 52.8278, 80.1662

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.



68.9973, 67.6787, 95.5086



63.8618, 67.6787, 52.3452



60.6441, 67.6787, 97.1035

Square

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



63.8618, 67.6787, 52.3452



56.3627, 67.6787, 75.0330



64.7936, 67.6787, 100.1690



73.0073, 67.6787, 72.3643

Rectangle

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



63.8618, 67.6787, 52.3452



57.8837, 67.6787, 60.3054



64.7936, 67.6787, 100.1690



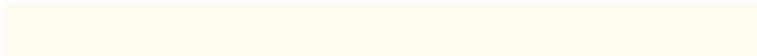
71.2306, 67.6787, 88.9229

Sweetspot

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



63.8636, 67.6817, 52.3466



91.3764, 96.4390, 96.0031



57.3804, 52.4043, 57.3100



19.4756, 20.5607, 20.2614



0.0000, 0.0000, 0.0000



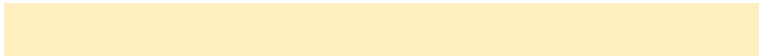
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8636, 67.6817, 52.3466



81.1706, 86.0308, 61.7620



64.1028, 72.8838, 53.3381



15.2543, 16.1225, 15.2124



26.4809, 25.5359, 3.5332



2.0328, 2.0390, 0.2864

Inverse Universe

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



51.3049, 52.8278, 80.1662



62.2790, 63.6893, 103.6185



51.0716, 48.6572, 79.3735



13.8987, 14.5188, 18.2142



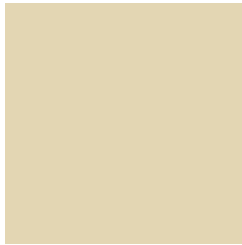
9.1565, 5.3751, 42.9381



0.7520, 0.5479, 3.1981

Previews

White Background



This preview shows how the XYZ color 63.8618, 67.6787, 52.3452 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 63.8618, 67.6787, 52.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

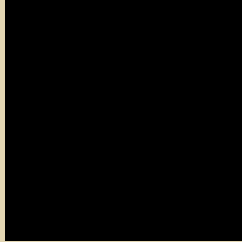
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8618, 67.6787, 52.3452

Background



This preview shows how black text looks on a background with the XYZ color 63.8618, 67.6787, 52.3452.

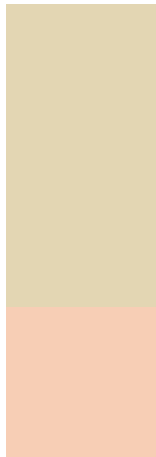


This preview shows how white text looks on a background with the XYZ color 63.8618, 67.6787,

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

63.8618, 67.6787, 52.3452

Protanopia

63.8618, 67.6787, 52.3452

Deuteranopia

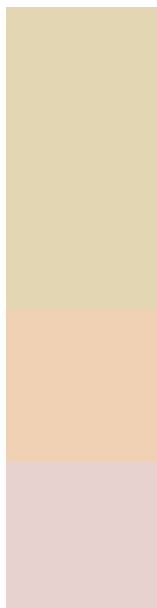
68.7696, 67.2530, 53.0726



Tritanopia

69.6147, 67.8172, 79.9419

Trichromacy



Original Color

63.8618, 67.6787, 52.3452

Protanomaly

63.8618, 67.6787, 52.3452

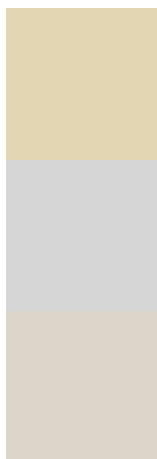
Deuteranomaly

66.9739, 67.4215, 52.6638

Tritanomaly

67.3868, 67.6362, 69.1779

Monochromacy



Original Color

63.8618, 67.6787, 52.3452

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8026, 67.3702, 64.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8618, 67.6787, 52.3452 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, 214, 179)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 179)  
}
```

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, 214, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 179) }
```

Border

The CSS property to change the border of an element to XYZ 63.8618, 67.6787, 52.3452 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, 214, 179) }
```


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

```
.border{ border-color:rgb(227, 214, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 179);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8618, 67.6787, 52.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 179) }
```

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

```
.background{ background-color: rgb(227,  
214, 179) }
```

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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