

Converting Colors

XYZ(60.4672, 63.9723, 40.1713)

Have a look what the booklet for
XYZ(60.4672, 63.9723, 40.1713)
contains.

XYZ(60.4672, 63.9723, 40.1713)	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(60.4672, 63.9723,
40.1713)**

Conversions

Conversions Part 1

Format	Color
Hex	E4D09B
RGB	228, 208, 155
RGB Percent	89%, 82%, 61%
CMY	0.1059, 0.1843, 0.3921
CMYK	0.00, 0.09, 0.32, 0.11
HSL	44°, 57%, 75%
HSV	44°, 32%, 89%
XYZ	60.4672, 63.9723, 40.1713
YIQ	207.9380, 28.9330, -12.2430

Conversions

Conversions Part 2

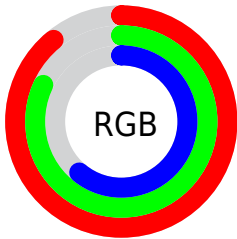
Format	Color
R _Y B	183, 228, 155
Decimal	14995611
CIE Lab	83.95, -0.80, 28.89
CIE LCh	84, 28.897, 91.579
Yxy	63.9723, 0.3673, 0.3886
Android (android.graphics.Color)	4293185691 (0xFFE4D09B)
YUV	207.9380, -26.0984, 17.5944
Hunter-Lab	79.9827, -5.0231, 26.2095

Details

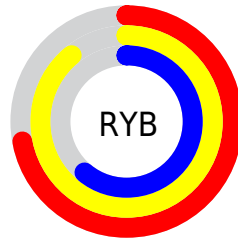
The XYZ color **60.4672, 63.9723, 40.1713** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.8508, 43.2287, 79.4844**, and the grayscale version is **60.0661, 63.1942, 68.8185**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **31.0170, 32.8611, 17.5400** is the 20% darker color. If you saturate the color by 10%, you get **57.2381, 60.2944, 30.5235**, and if you desaturate by 10%, it is **64.1211, 67.9206, 51.7458**.

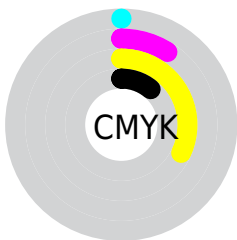
Distribution



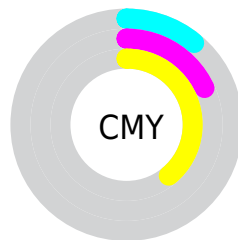
- Red (89%)
- Green (82%)
- Blue (61%)



- Red (72%)
- Yellow (89%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (32%)
- Black (11%)





- Cyan (11%)
- Magenta (18%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4672, 63.9723, 40.1713 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 60.4672, 63.9723, 40.1713 by changing the saturation by 10% instead.


 60.4672, 63.9723,
40.1713


 60.4672, 63.9723,
40.1713


416.1249,
439.0896, 362.4186

 44.0462, 46.6282,
27.3573


 104.6096,
110.5710, 76.6642

 30.9049, 32.7419,
17.6070


 133.0617,
140.5945, 101.1803

 20.6779, 21.9288,
10.5017


166.2549,
175.6132, 130.4341

 12.9999, 13.8046,
5.6229

204.5546,
216.0116, 164.8442

 7.5055, 7.9849,
2.5521

248.3261,
262.1741, 204.8292

 3.8293, 4.0853,
0.8676

297.9347,

 1.6060, 1.7214,

314.4849, 250.8075

0.0000

353.7459,
373.3287, 303.1978

■ 0.3963, 0.4374,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4672, 63.9723,
40.1713

■ 60.4672, 63.9723,
40.1713

■ 57.2381, 60.2944,
30.5235

■ 64.1211, 67.9206,
51.7458

■ 54.4079, 56.8686,
22.6908


■ 68.2143, 72.1394,
65.3422


■ 51.9550, 53.6875,
16.5562


■ 72.7668, 76.6399,
81.0543


■ 49.8536, 50.7396,
11.9871


■ 77.7954, 81.4300,
98.9688

 48.0741, 48.0119,
8.8314


 80.9791, 85.5822,
106.8587

 46.5812, 45.4892,
6.9062

 82.8415, 89.3070,
107.4795

 45.5496, 43.6033,
6.0155

 84.7677, 93.1595,
108.1216

 85.8050, 95.2340,
108.4673

Harmonies

Analogous

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



66.8148, 63.9723, 43.1593



60.4672, 63.9723, 40.1713



54.6190, 63.9723, 43.8649

Triad

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



60.4672, 63.9723, 40.1713



50.9648, 63.9723, 89.6631



72.2114, 63.9723, 87.6985

Complementary

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



60.4672, 63.9723, 40.1713



42.8508, 43.2287, 79.4844

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.



67.4386, 63.9723, 103.9737



60.4672, 63.9723, 40.1713



55.1645, 63.9723, 105.2400

Square

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



60.4672, 63.9723, 40.1713



49.3751, 63.9723, 70.6251



61.1416, 63.9723, 110.8811



73.8725, 63.9723, 68.6938

Rectangle

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



60.4672, 63.9723, 40.1713



51.7129, 63.9723, 50.0701



61.1416, 63.9723, 110.8811



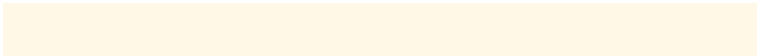
70.9020, 63.9723, 93.7779

Sweetspot

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



60.4688, 63.9752, 40.1726



89.0250, 94.0894, 87.9643



51.5220, 43.0595, 46.5068



18.8842, 19.9676, 18.2465



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.



60.4688, 63.9752, 40.1726



75.2900, 79.4717, 43.7643



60.8645, 71.8779, 41.6772



15.2503, 16.1145, 15.2111



26.4057, 25.3855, 3.5082



2.0278, 2.0289, 0.2847

Inverse Universe

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



42.8508, 43.2287, 79.4844



49.4442, 49.0472, 101.4688



42.4803, 37.6823, 78.4334



13.9025, 14.5264, 18.2155



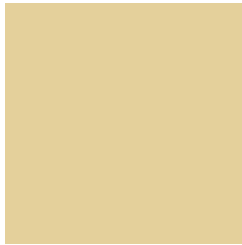
9.1800, 5.4220, 42.9459



0.7542, 0.5523, 3.1988

Previews

White Background



This preview shows how the XYZ color 60.4672, 63.9723, 40.1713 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 60.4672, 63.9723, 40.1713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

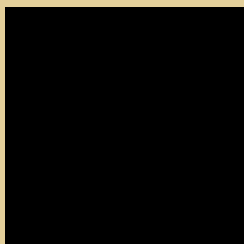
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.4672, 63.9723, 40.1713

Background



This preview shows how black text looks on a background with the XYZ color 60.4672, 63.9723, 40.1713.

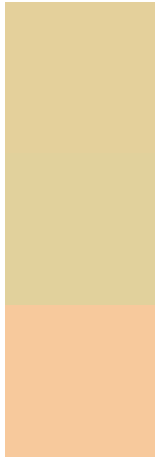


This preview shows how white text looks on a background with the XYZ color 60.4672, 63.9723,

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

60.4672, 63.9723, 40.1713

Protanopia

59.8526, 64.0088, 40.6529

Deuteranopia

65.2452, 63.9477, 40.3568



Tritanopia

67.3099, 63.9286, 73.7576

Trichromacy



Original Color

60.4672, 63.9723, 40.1713

Protanomaly

60.1652, 64.1700, 40.6675

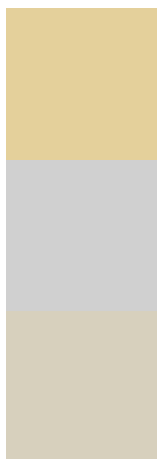
Deuteranomaly

63.5288, 64.1113, 40.4789

Tritanomaly

64.3723, 63.7627, 59.9536

Monochromacy



Original Color

60.4672, 63.9723, 40.1713

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.7655, 63.2329, 57.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4672, 63.9723, 40.1713 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(228, 208, 155)` looks like.

```
.text, #text, p{  
    color:rgb(228, 208, 155)  
}
```

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(228, 208, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 208, 155) }
```

Border

The CSS property to change the border of an element to XYZ 60.4672, 63.9723, 40.1713 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(228, 208, 155) }
```


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

```
.border{ border-color:rgb(228, 208, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 208, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 208, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 208, 155);  
box-shadow:4px 4px 4px 4px rgb(228, 208,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4672, 63.9723, 40.1713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 208, 155) }
```

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

```
.background{ background-color: rgb(228,  
208, 155) }
```

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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