

# Converting Colors

XYZ(61.4509, 63.5040, 38.9320)

Have a look what the booklet for  
XYZ(61.4509, 63.5040, 38.9320)  
contains.

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# Color

**XYZ(61.4305, 63.4221,  
38.7097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EACD98
RGB	234, 205, 152
RGB Percent	92%, 80%, 60%
CMY	0.0824, 0.1961, 0.4039
CMYK	0.00, 0.12, 0.35, 0.08
HSL	39°, 66%, 76%
HSV	39°, 35%, 92%
XYZ	61.4305, 63.4221, 38.7097
YIQ	207.6290, 34.2970, -10.3350

# Conversions

## Conversions Part 2

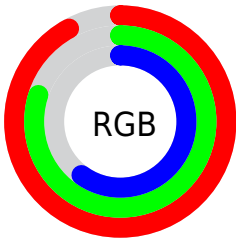
Format	Color
<a href="#">RYB</a>	<a href="#">197, 234, 152</a>
Decimal	<a href="#">15388056</a>
CIELab	<a href="#">83.66, 2.71, 30.15</a>
CIELCh	<a href="#">84, 30.274, 84.857</a>
Yxy	<a href="#">63.4221, 0.3756, 0.3878</a>
Android (android.graphics.Color)	<a href="#">4293578136</a> ( <a href="#">0xFFEACD98</a> )
YUV	<a href="#">207.6290, -27.4251, 23.1274</a>
Hunter-Lab	<a href="#">79.6380, -1.6766, 26.9275</a>

# Details

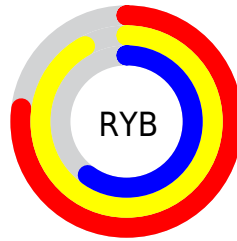
The XYZ color **61.4305, 63.4221, 38.7097** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.3235, 45.6621, 84.3195**, and the grayscale version is **59.8717, 62.9897, 68.5958**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **31.4983, 32.4004, 16.6504** is the 20% darker color. If you saturate the color by 10%, you get **57.7732, 58.8777, 28.9500**, and if you desaturate by 10%, it is **65.5739, 68.3329, 50.4982**.

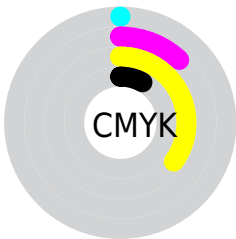
# Distribution



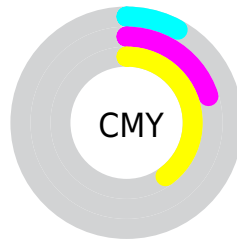
- Red (92%)
- Green (80%)
- Blue (60%)



- Red (77%)
- Yellow (92%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (35%)
- Black (8%)




- Cyan (8%)
- Magenta (20%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4305, 63.4221, 38.7097 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 61.4305, 63.4221, 38.7097 by changing the saturation by 10% instead.




 61.4305, 63.4221,  
38.7097

 61.4305, 63.4221,  
38.7097


419.6014,  
437.0998, 356.0437

 44.8265, 46.1828,  
26.2279


 105.9966,  
109.7782, 74.4101

 31.5215, 32.3901,  
16.7669


 134.6895,  
139.6638, 98.4657

 21.1501, 21.6596,  
9.9082


168.1427,  
174.5337, 127.2164

 13.3468, 13.6070,  
5.2333

206.7216,  
214.7721, 161.0806

 7.7464, 7.8478,  
2.3237

250.7916,  
260.7635, 200.4769

 3.9836, 3.9977,  
0.7444

300.7180,

 1.6928, 1.6723,

312.8923, 245.8238

0.0000

356.8661,  
371.5430, 297.5399

■ 0.4518, 0.4056,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4305, 63.4221,  
38.7097

■ 61.4305, 63.4221,  
38.7097

■ 57.7732, 58.8777,  
28.9500

■ 65.5739, 68.3329,  
50.4982

■ 54.5731, 54.6789,  
21.0968

■ 70.2205, 73.6128,  
64.4200

■ 51.8055, 50.8154,  
15.0211

■ 75.3926, 79.2753,  
80.5772

■ 49.4410, 47.2727,  
10.5755

■ 81.1095, 85.3305,  
99.0642

■ 47.4454, 44.0345,  
7.5891

■ 85.0521, 90.8532,  
107.6614

■ 45.7773, 41.0813,  
5.8519

■ 87.6303, 96.0096,  
108.5208

■ 45.0401, 39.7092,  
5.2908

■ 87.7417, 96.2324,  
108.5580

# Harmonies

## Analogous

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



67.9183, 63.4221, 43.3035



61.4305, 63.4221, 38.7097



55.0808, 63.4221, 40.9504

# Triad

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



61.4305, 63.4221, 38.7097



49.4408, 63.4221, 85.5624



71.3141, 63.4221, 92.2680

# Complementary

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



61.4305, 63.4221, 38.7097



44.3235, 45.6621, 84.3195

# 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.



65.7982, 63.4221, 107.7496



61.4305, 63.4221, 38.7097



53.2385, 63.4221, 103.4076

# Square

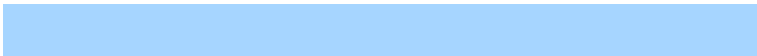
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.4305, 63.4221, 38.7097



48.4579, 63.4221, 65.8354



59.1455, 63.4221, 112.1594



73.8855, 63.4221, 72.3798



# Rectangle

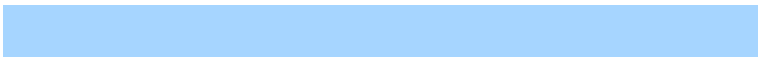
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.4305, 63.4221, 38.7097



51.7312, 63.4221, 46.2797



59.1455, 63.4221, 112.1594



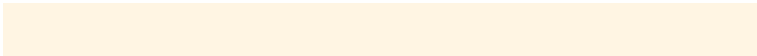
69.7240, 63.4221, 98.2945

# Sweetspot

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



61.4321, 63.4250, 38.7110



87.7754, 92.1576, 85.7988



53.6107, 43.3297, 49.8306



18.6075, 19.5272, 17.8057



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.



61.4321, 63.4250, 38.7110



71.4238, 73.0878, 38.3184



65.5425, 76.8113, 41.0782



15.8778, 16.6787, 15.9012



25.4328, 22.5599, 3.0140



2.0870, 1.9514, 0.2667



# Inverse Universe

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



44.3235, 45.6621, 84.3195



47.7551, 48.5275, 101.4575



41.1708, 36.1773, 82.6549



14.6670, 15.4203, 19.1256



10.1800, 7.0071, 44.5589



0.8871, 0.7257, 3.5282



# Previews

## White Background



This preview shows how the XYZ color 61.4305, 63.4221, 38.7097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

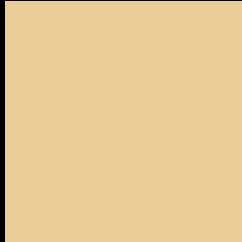
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4305, 63.4221, 38.7097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

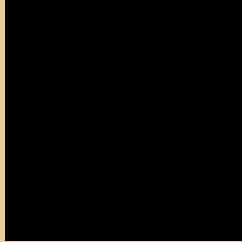
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.4305, 63.4221, 38.7097

## Background



This preview shows how black text looks on a background with the XYZ color 61.4305, 63.4221, 38.7097.



This preview shows how white text looks on a background with the XYZ color 61.4305, 63.4221,



# 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

61.4305, 63.4221, 38.7097

### Protanopia

59.1291, 63.2921, 39.6720

### Deuteranopia

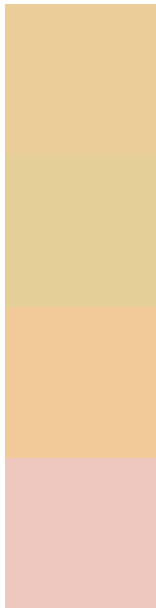
64.7618, 63.3826, 38.9577



## Tritanopia

68.1255, 63.3867, 70.9316

# Trichromacy



## Original Color

61.4305, 63.4221, 38.7097

## Protanomaly

60.0575, 63.4195, 39.2128

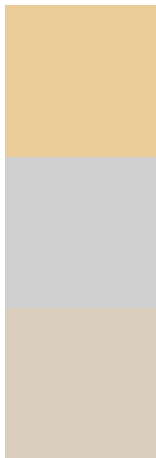
## Deuteranomaly

63.4882, 63.4182, 39.0317

## Tritanomaly

65.2084, 63.2034, 57.4778

# Monochromacy



## Original Color

61.4305, 63.4221, 38.7097

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

60.0052, 63.0082, 56.5761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4305, 63.4221, 38.7097 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(234, 205, 152)` looks like.

```
.text, #text, p{  
    color:rgb(234, 205, 152)  
}
```

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(234, 205, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 205, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4305, 63.4221, 38.7097 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(234, 205, 152) }
```



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

```
.border{ border-color:rgb(234, 205, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 205, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 205, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 205, 152); box-shadow:4px 4px 4px 4px rgb(234, 205, 152) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4305, 63.4221, 38.7097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 205, 152) }
```

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

```
.background{ background-color: rgb(234,  
205, 152) }
```

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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