

Converting Colors

XYZ(63.6007, 71.7488, 38.1006)

Have a look what the booklet for
XYZ(63.6007, 71.7488, 38.1006)
contains.

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Color

**XYZ(63.6007, 71.7488,
38.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E093
RGB	227, 224, 147
RGB Percent	89%, 88%, 58%
CMY	0.1098, 0.1215, 0.4235
CMYK	0.00, 0.01, 0.35, 0.11
HSL	58°, 59%, 73%
HSV	58°, 35%, 89%
XYZ	63.6007, 71.7488, 38.1006
YIQ	216.1190, 26.5050, -23.3110

Conversions

Conversions Part 2

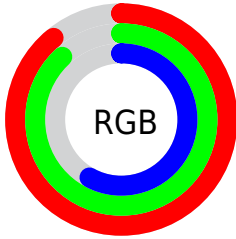
Format	Color
R_{YB}	150, 227, 147
Decimal	14934163
CIE _{Lab}	87.85, -10.29, 38.11
CIE _{LCh}	88, 39.476, 105.105
Y _{xy}	71.7488, 0.3667, 0.4137
Android (android.graphics.Color)	4293124243 (0xFFE3E093)
YUV	216.1190, -34.0757, 9.5426
Hunter-Lab	84.7047, -14.2060, 32.6243

Details

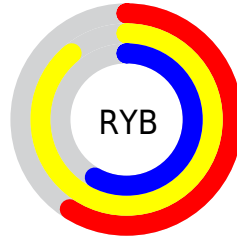
The XYZ color **63.6007, 71.7488, 38.1006** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8040, 33.5610, 77.2113**, and the grayscale version is **65.5652, 68.9797, 75.1189**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **32.8311, 37.7482, 16.3822** is the 20% darker color. If you saturate the color by 10%, you get **61.7653, 70.6527, 29.5512**, and if you desaturate by 10%, it is **65.7923, 72.9943, 48.5045**.

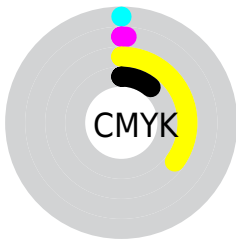
Distribution



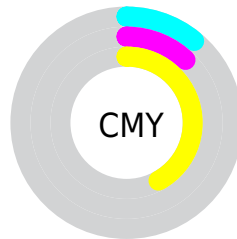
- Red (89%)
- Green (88%)
- Blue (58%)



- Red (59%)
- Yellow (89%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (11%)





- Cyan (11%)
- Magenta (12%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6007, 71.7488, 38.1006 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 63.6007, 71.7488, 38.1006 by changing the saturation by 10% instead.


 63.6007, 71.7488,
38.1006


 63.6007, 71.7488,
38.1006


427.3714,
466.6668, 353.3624

 46.5878, 52.9535,
25.7583


 109.1126,
121.6993, 73.4674

 32.9165, 37.7657,
16.4188


 138.3424,
153.6233, 97.3291

 22.2214, 25.8009,
9.6634


172.3751,
190.6924, 125.8676

 14.1372, 16.6747,
5.0737

211.5763,
233.2908, 159.5016

 8.2985, 10.0028,
2.2311

256.3111,
281.8031, 198.6495

 4.3399, 5.4008,
0.6922

306.9450,

 1.8962, 2.4843,

336.6136, 243.7299

0.0000

363.8433,
398.1067, 295.1614

■ 0.5746, 0.8688,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6007, 71.7488,
38.1006

■ 63.6007, 71.7488,
38.1006

■ 61.7653, 70.6527,
29.5512

■ 65.7923, 72.9943,
48.5045

■ 60.2600, 69.6879,
22.7423

■ 68.3539, 74.3871,
60.8588

■ 59.0636, 68.8486,
17.5546

■ 71.3050, 75.9374,
75.2583

■ 58.1503, 68.1242,
13.8518

■ 74.6620, 77.6520,
91.7901

■ 57.4899, 67.5029,
11.4753

■ 77.5420, 79.1776,
105.8037

■ 57.0454, 66.9697,
10.2305

■ 77.7766, 79.6470,
105.8819

■ 56.8808, 66.7354,
9.8833

■ 78.0124, 80.1186,
105.9605

■ 78.2494, 80.5925,
106.0395

■ 78.4875, 81.0688,
106.1188

Harmonies

Analogous

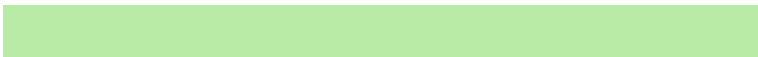
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9389, 71.7488, 38.0703



63.6007, 71.7488, 38.1006



56.1957, 71.7488, 47.0323

Triad

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



63.6007, 71.7488, 38.1006



56.2367, 71.7488, 120.7416



87.1596, 71.7488, 92.1717

Complementary

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



63.6007, 71.7488, 38.1006



36.8040, 33.5610, 77.2113

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.



81.7915, 71.7488, 120.5631



63.6007, 71.7488, 38.1006



63.6616, 71.7488, 139.4537

Square

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



63.6007, 71.7488, 38.1006



52.2170, 71.7488, 92.3757



73.0056, 71.7488, 139.3818



87.1395, 71.7488, 65.4160

Rectangle

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



63.6007, 71.7488, 38.1006



53.1034, 71.7488, 58.3266



73.0056, 71.7488, 139.3818



85.9052, 71.7488, 101.9556

Sweetspot

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



63.6025, 71.7521, 38.1021



90.5242, 97.6553, 86.7151



47.6988, 39.4336, 34.3766



19.2660, 20.8442, 18.0252



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.



63.6025, 71.7521, 38.1021



81.0719, 92.3839, 41.5344



54.2219, 68.1214, 37.8957



15.5529, 16.7198, 15.3120



33.1931, 38.9604, 5.7706



2.4674, 2.9081, 0.4313

Inverse Universe

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



36.8040, 33.5610, 77.2113



41.4581, 35.9334, 99.3585



43.8280, 36.4817, 77.4048



13.6259, 13.9732, 18.1233



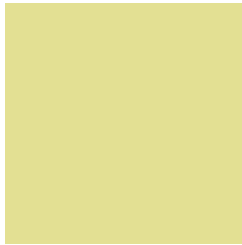
8.1587, 3.3795, 42.6055



0.6183, 0.2805, 3.1535

Previews

White Background



This preview shows how the XYZ color 63.6007, 71.7488, 38.1006 looks on a white background.

Color Contrast Check

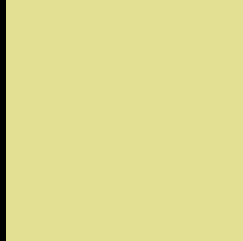
Large Text (above 18pt) WCAG AA × Fail

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 63.6007, 71.7488, 38.1006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

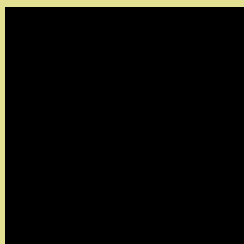
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

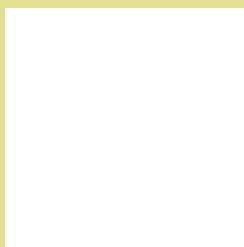
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6007, 71.7488, 38.1006

Background



This preview shows how black text looks on a background with the XYZ color 63.6007, 71.7488, 38.1006.



This preview shows how white text looks on a background with the XYZ color 63.6007, 71.7488,

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

63.6007, 71.7488, 38.1006

Protanopia

66.3006, 71.5815, 37.1102

Deuteranopia

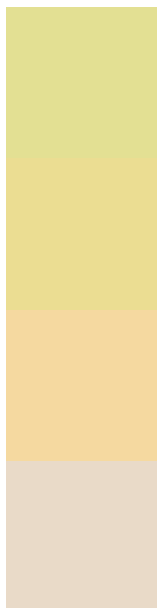
72.1021, 71.6757, 47.0804



Tritanopia

73.2545, 71.8108, 84.8629

Trichromacy



Original Color

63.6007, 71.7488, 38.1006

Protanomaly

65.3057, 71.4504, 37.5435

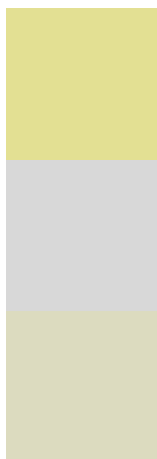
Deuteranomaly

68.8142, 71.5763, 43.4464

Tritanomaly

69.1010, 71.6366, 64.8288

Monochromacy



Original Color

63.6007, 71.7488, 38.1006

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.2507, 69.6403, 59.3458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6007, 71.7488, 38.1006 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, 224, 147)` looks like.

```
.text, #text, p{  
    color:rgb(227, 224, 147)  
}
```

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, 224, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 224, 147) }
```

Border

The CSS property to change the border of an element to XYZ 63.6007, 71.7488, 38.1006 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, 224, 147) }
```


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

```
.border{ border-color:rgb(227, 224, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 224, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 224, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 224, 147);  
box-shadow:4px 4px 4px 4px rgb(227, 224,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6007, 71.7488, 38.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 224, 147) }
```

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

```
.background{ background-color: rgb(227,  
224, 147) }
```

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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