

Converting Colors

XYZ(67.5720, 73.3322, 38.1355)

Have a look what the booklet for
XYZ(67.5720, 73.3322, 38.1355)
contains.

XYZ(67.5893, 73.4072, 38.2104)	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(67.5893, 73.4072,
38.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DF93
RGB	240, 223, 147
RGB Percent	94%, 87%, 58%
CMY	0.0588, 0.1255, 0.4235
CMYK	0.00, 0.07, 0.39, 0.06
HSL	49°, 76%, 76%
HSV	49°, 39%, 94%
XYZ	67.5893, 73.4072, 38.2104
YIQ	219.4190, 34.5280, -20.0320

Conversions

Conversions Part 2

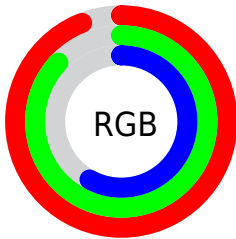
Format	Color
R _Y B	168, 240, 147
Decimal	15785875
CIE Lab	88.64, -4.75, 39.35
CIE LCh	89, 39.632, 96.886
Yxy	73.4072, 0.3772, 0.4096
Android (android.graphics.Color)	4293975955 (0xFFFF0DF93)
YUV	219.4190, -35.7026, 18.0495
Hunter-Lab	85.6780, -9.1222, 33.5326

Details

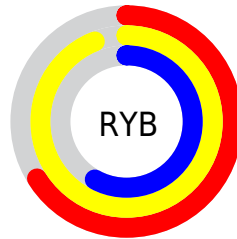
The XYZ color **67.5893, 73.4072, 38.2104** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.0359, 39.0440, 87.8114**, and the grayscale version is **67.8481, 71.3815, 77.7345**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **35.5966, 38.8988, 16.4585** is the 20% darker color. If you saturate the color by 10%, you get **64.7431, 70.4207, 28.9199**, and if you desaturate by 10%, it is **70.8624, 76.6184, 49.5832**.

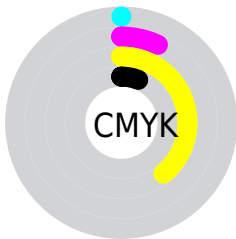
Distribution



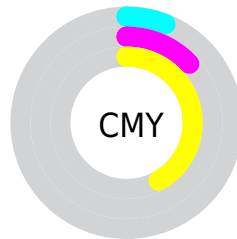
- Red (94%)
- Green (87%)
- Blue (58%)



- Red (66%)
- Yellow (94%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (39%)
- Black (6%)





- Cyan (6%)
- Magenta (13%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5893, 73.4072, 38.2104 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 67.5893, 73.4072, 38.2104 by changing the saturation by 10% instead.

 67.5893, 73.4072,
38.2104

 67.5893, 73.4072,
38.2104


441.4391,
472.4249, 353.8469

 49.8361, 54.3090,
25.8429


 114.8096,
124.0551, 73.6375

 35.5005, 38.8487,
16.4815


 145.0074,
156.3736, 97.5342

 24.2170, 26.6421,
9.7075


180.0841,
193.8676, 126.1111

 15.6203, 17.3046,
5.1024

220.4051,
236.9216, 159.7867

 9.3450, 10.4519,
2.2477

266.3358,
285.9199, 198.9795

 5.0258, 5.6996,
0.7017

318.2414,

 2.2973, 2.6633,

341.2470, 244.1081

0.0000

376.4874,
403.2872, 295.5911

■ 0.7933, 0.9586,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5893, 73.4072,
38.2104

■ 67.5893, 73.4072,
38.2104

■ 64.7431, 70.4207,
28.9199

■ 70.8624, 76.6184,
49.5832

■ 62.2935, 67.6383,
21.5772

■ 74.5797, 80.0534,
63.1522

■ 60.2147, 65.0522,
16.0397

■ 78.7640, 83.7246,
79.0285

■ 58.4752, 62.6492,
12.1428

■ 83.4350, 87.6401,
97.3145

■ 57.0379, 60.4142,
9.6919

■ 86.6176, 91.0102,
107.6092

■ 55.8481, 58.3249,
8.4005

■ 87.9597, 93.6944,
108.0566

■ 55.7076, 58.0702,
8.2726

■ 89.3335, 96.4419,
108.5145

■ 89.7451, 97.2652,
108.6517

Harmonies

Analogous

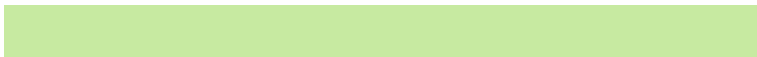
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2430, 73.4072, 40.6117



67.5893, 73.4072, 38.2104



59.3040, 73.4072, 44.7673

Triad

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



67.5893, 73.4072, 38.2104



56.0707, 73.4072, 115.8955



88.0906, 73.4072, 102.4392

Complementary

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



67.5893, 73.4072, 38.2104



41.0359, 39.0440, 87.8114

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.



81.4031, 73.4072, 129.8924



67.5893, 73.4072, 38.2104



62.7977, 73.4072, 138.8191

Square

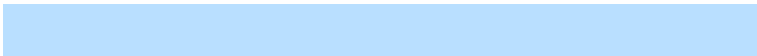
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5893, 73.4072, 38.2104



53.0587, 73.4072, 86.4113



71.9998, 73.4072, 144.4537



89.6695, 73.4072, 73.7773

Rectangle

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



67.5893, 73.4072, 38.2104



55.4725, 73.4072, 54.4679



71.9998, 73.4072, 144.4537



86.3376, 73.4072, 112.2943

Sweetspot

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



67.5911, 73.4106, 38.2119



88.7509, 94.6677, 84.4008



53.0747, 42.0756, 40.4706



18.8600, 20.1438, 17.5462



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.



67.5911, 73.4106, 38.2119



75.1050, 81.6848, 35.7393



63.1621, 78.2094, 39.3716



16.8630, 17.9391, 16.7235



30.5858, 31.9698, 4.5587



2.6076, 2.7858, 0.4003

Inverse Universe

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



41.0359, 39.0440, 87.8114



40.9029, 37.4403, 99.6786



44.1690, 36.4422, 87.1441



15.1309, 15.6959, 19.9537



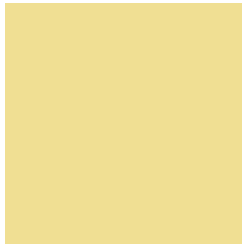
9.1691, 4.5624, 45.5252



0.8275, 0.5090, 3.8089

Previews

White Background



This preview shows how the XYZ color 67.5893, 73.4072, 38.2104 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 67.5893, 73.4072, 38.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

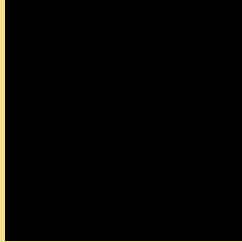
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5893, 73.4072, 38.2104

Background



This preview shows how black text looks on a background with the XYZ color 67.5893, 73.4072, 38.2104.



This preview shows how white text looks on a background with the XYZ color 67.5893, 73.4072,

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

67.5893, 73.4072, 38.2104

Protanopia

68.0057, 73.2264, 38.1536

Deuteranopia

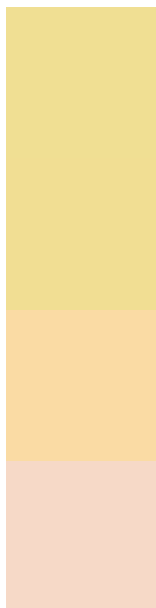
73.4358, 73.4277, 50.3469



Tritanopia

77.0040, 73.3854, 84.2350

Trichromacy



Original Color

67.5893, 73.4072, 38.2104

Protanomaly

67.6634, 73.0499, 38.1376

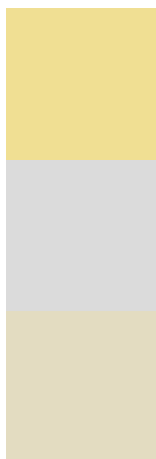
Deuteranomaly

71.4567, 73.6674, 45.5750

Tritanomaly

73.1277, 73.3421, 64.3350

Monochromacy



Original Color

67.5893, 73.4072, 38.2104

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.8974, 71.3675, 60.7015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5893, 73.4072, 38.2104 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(240, 223, 147)` looks like.

```
.text, #text, p{  
    color:rgb(240, 223, 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(240, 223, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 223, 147) }
```

Border

The CSS property to change the border of an element to XYZ 67.5893, 73.4072, 38.2104 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(240, 223, 147) }
```


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

```
.border{ border-color:rgb(240, 223, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 223, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 223, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 223, 147);  
box-shadow:4px 4px 4px 4px rgb(240, 223,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5893, 73.4072, 38.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 223, 147) }
```

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

```
.background{ background-color: rgb(240,  
223, 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](#).

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