

# Converting Colors

XYZ(68.7851, 77.6424, 41.0669)

Have a look what the booklet for  
XYZ(68.7851, 77.6424, 41.0669)  
contains.

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# Color

**XYZ(68.7851, 77.6424,  
41.0669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE898
RGB	235, 232, 152
RGB Percent	92%, 91%, 60%
CMY	0.0784, 0.0902, 0.4039
CMYK	0.00, 0.01, 0.35, 0.08
HSL	58°, 67%, 76%
HSV	58°, 35%, 92%
XYZ	68.7851, 77.6424, 41.0669
YIQ	223.7770, 27.4680, -24.2440

# Conversions

## Conversions Part 2

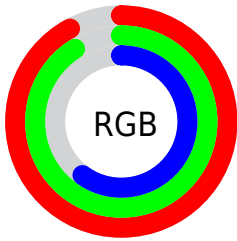
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 235, 152
Decimal	15460504
CIELab	90.62, -10.65, 39.32
CIELCh	91, 40.736, 105.152
Yxy	77.6424, 0.3669, 0.4141
Android (android.graphics.Color)	4293650584 (0xFFE8E8)
YUV	223.7770, -35.3861, 9.8426
Hunter-Lab	88.1149, -14.8588, 34.0477

# Details

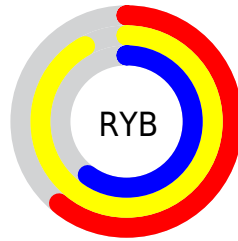
The XYZ color **68.7851, 77.6424, 41.0669** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.6656, 36.1154, 83.4778**, and the grayscale version is **70.9249, 74.6185, 81.2596**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **36.3825, 41.8294, 18.2129** is the 20% darker color. If you saturate the color by 10%, you get **66.8107, 76.4745, 31.8357**, and if you desaturate by 10%, it is **71.1459, 78.9722, 52.3101**.

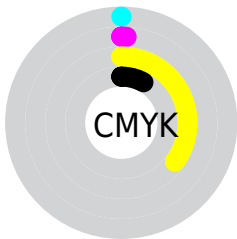
# Distribution



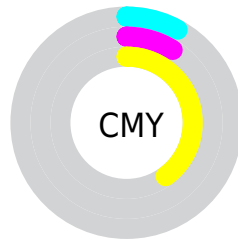
- Red (92%)
- Green (91%)
- Blue (60%)



- Red (61%)
- Yellow (92%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7851, 77.6424, 41.0669 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 68.7851, 77.6424, 41.0669 by changing the saturation by 10% instead.



68.7851, 77.6424,  
41.0669

68.7851, 77.6424,  
41.0669

445.6059,  
486.9515, 366.2851

50.8127, 57.7803,  
28.0513

116.5103,  
130.0459, 78.0402

36.2800, 41.6320,  
18.1249

146.9939,  
163.3561, 102.8350

24.8216, 28.8133,  
10.8693

182.3786,  
201.9177, 132.3932

16.0722, 18.9396,  
5.8660

223.0297,  
246.1151, 167.1334

9.6665, 11.6266,  
2.6963

269.3126,  
296.3329, 207.4742

5.2389, 6.4900,  
0.9416

321.5927,

2.4243, 3.1453,

352.9553, 253.8340

0.0000

380.2354,  
416.3667, 306.6315

■ 0.8573, 1.2080,  
0.0000

■ 0.0000, 0.0682,  
0.0000

■ 68.7851, 77.6424,  
41.0669

■ 68.7851, 77.6424,  
41.0669

■ 66.8107, 76.4745,  
31.8357

■ 71.1459, 78.9722,  
52.3101

■ 65.1943, 75.4488,  
24.4922

■ 73.9080, 80.4617,  
65.6696

■ 63.9127, 74.5589,  
18.9065

■ 77.0928, 82.1220,  
81.2488

■ 62.9377, 73.7935,  
14.9297

■ 80.7181, 83.9605,  
99.1425

■ 62.2365, 73.1395,  
12.3888

■ 82.3770, 85.0142,  
106.6754

■ 61.7685, 72.5805,  
11.0706

■ 82.6220, 85.5042,  
106.7571

■ 61.5997, 72.3396,  
10.7163

■ 82.8682, 85.9966,  
106.8391

■ 83.1155, 86.4912,  
106.9216

■ 83.3640, 86.9882,  
107.0044

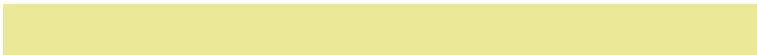
# Harmonies

## Analogous

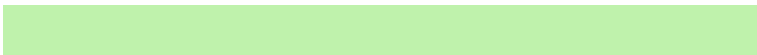
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9406, 77.6424, 41.0191



68.7851, 77.6424, 41.0669



60.7394, 77.6424, 50.7754

# Triad

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



68.7851, 77.6424, 41.0669



60.8043, 77.6424, 130.9749



94.4377, 77.6424, 99.7746

# Complementary

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



68.7851, 77.6424, 41.0669



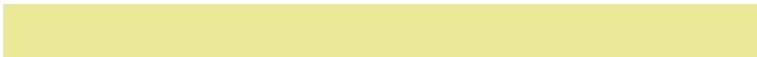
39.6656, 36.1154, 83.4778

# 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.



88.6030, 77.6424, 130.6919



68.7851, 77.6424, 41.0669



68.8814, 77.6424, 151.3337

# Square

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



68.7851, 77.6424, 41.0669



56.4291, 77.6424, 100.0976



79.0461, 77.6424, 151.2196



94.4059, 77.6424, 70.6831

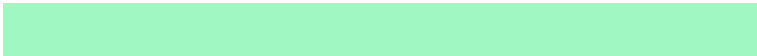


# Rectangle

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



68.7851, 77.6424, 41.0669



57.3830, 77.6424, 63.0535



79.0461, 77.6424, 151.2196



93.0754, 77.6424, 110.4236

# Sweetspot

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



68.7870, 77.6459, 41.0685



90.5363, 97.6794, 86.7191



51.5033, 42.5249, 37.0138



19.2689, 20.8500, 18.0262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

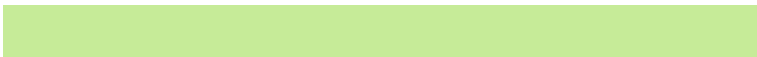
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7870, 77.6459, 41.0685



81.1172, 92.4746, 41.5495



58.5729, 73.6423, 40.8341



16.3027, 17.5283, 16.0428



34.3042, 40.3027, 5.9712



2.7083, 3.1939, 0.4737



# Inverse Universe

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



39.6656, 36.1154, 83.4778



41.4346, 35.8864, 99.3507



47.2976, 39.3193, 83.6939



14.2748, 14.6360, 18.9949



8.4165, 3.4800, 43.9711

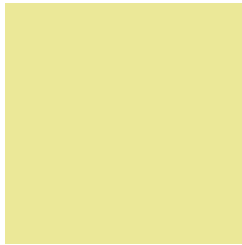


0.6763, 0.3041, 3.4579



# Previews

## White Background



This preview shows how the XYZ color 68.7851, 77.6424, 41.0669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

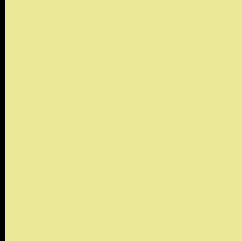
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.7851, 77.6424, 41.0669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

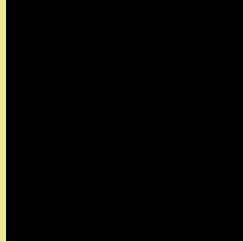
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.7851, 77.6424, 41.0669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.7851, 77.6424, 41.0669.



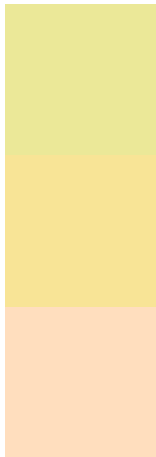
This preview shows how white text looks on a background with the XYZ color 68.7851, 77.6424,



# 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**

68.7851, 77.6424, 41.0669

**Protanopia**

71.9598, 77.6453, 40.0485

**Deuteranopia**

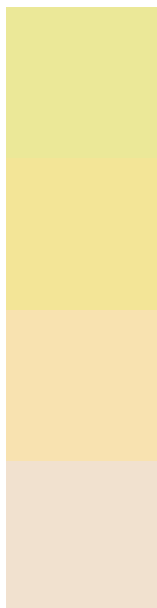
76.6555, 77.2203, 59.5800



## Tritanopia

79.0926, 77.3574, 92.4242

# Trichromacy



## Original Color

68.7851, 77.6424, 41.0669

## Protanomaly

70.5674, 77.3277, 40.4846

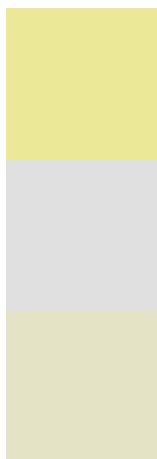
## Deuteranomaly

73.7442, 77.4838, 52.1434

## Tritanomaly

74.4633, 77.0562, 69.9802

# Monochromacy



## Original Color

68.7851, 77.6424, 41.0669

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.6570, 75.5094, 64.3295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.7851, 77.6424, 41.0669 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(235, 232, 152)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 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(235, 232, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 68.7851, 77.6424, 41.0669 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(235, 232, 152) }
```



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

```
.border{ border-color:rgb(235, 232, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 152);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.7851, 77.6424, 41.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 152) }
```

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

```
.background{ background-color: rgb(235,  
232, 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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