

# Converting Colors

XYZ(76.6638, 83.0492, 68.5543)

Have a look what the booklet for  
XYZ(76.6638, 83.0492, 68.5543)  
contains.

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# Color

**XYZ(76.6603, 83.2309,  
68.5247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEDCB
RGB	239, 237, 203
RGB Percent	94%, 93%, 80%
CMY	0.0627, 0.0706, 0.2039
CMYK	0.00, 0.01, 0.15, 0.06
HSL	57°, 53%, 87%
HSV	57°, 15%, 94%
XYZ	76.6603, 83.2309, 68.5247
YIQ	233.7220, 12.1060, -10.1500

# Conversions

## Conversions Part 2

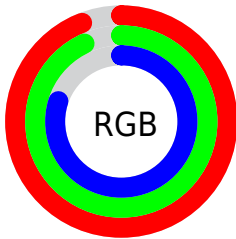
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">205, 239, 203</a>
Decimal	<a href="#">15723979</a>
CIELab	<a href="#">93.12, -4.90, 16.74</a>
CIELCh	<a href="#">93, 17.441, 106.326</a>
Yxy	<a href="#">83.2309, 0.3356, 0.3644</a>
Android (android.graphics.Color)	<a href="#">4293914059 (0xFFEFEDCB)</a>
YUV	<a href="#">233.7220, -15.1459, 4.6288</a>
Hunter-Lab	<a href="#">91.2310, -9.6628, 19.3282</a>

# Details

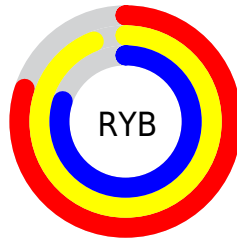
The XYZ color **76.6603, 83.2309, 68.5247** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.0398, 62.5900, 90.4732**, and the grayscale version is **78.1029, 82.1703, 89.4835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4771, 45.2850, 34.9886** is the 20% darker color. If you saturate the color by 10%, you get **73.6477, 81.4173, 54.5353**, and if you desaturate by 10%, it is **80.1193, 85.2331, 84.8311**.

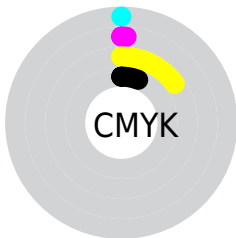
# Distribution



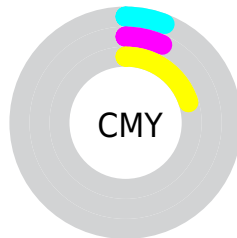
- Red (94%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (94%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (15%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6603, 83.2309, 68.5247 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 76.6603, 83.2309, 68.5247 by changing the saturation by 10% instead.



76.6603, 83.2309,  
68.5247

76.6603, 83.2309,  
68.5247

472.5148,  
505.7557, 474.0013

57.2731, 62.3807,  
49.8554

127.6352,  
137.8988, 118.7638

41.4655, 45.3403,  
34.9281

159.9537,  
172.4853, 151.1706

28.8723, 31.7256,  
23.3244

197.3132,  
212.4192, 188.9936

19.1280, 21.1520,  
14.6257

240.0791,  
258.0851, 232.6514

11.8674, 13.2351,  
8.4134

288.6169,  
309.8673, 282.5625

6.7250, 7.5907,  
4.2691

343.2919,

3.3355, 3.8342,

368.1502, 339.1455

1.7741

404.4694,  
433.3182, 402.8189

■ 1.3336, 1.5812,  
0.4108

■ 0.2081, 0.3449,  
0.0000

■ 76.6603, 83.2309,  
68.5247

■ 76.6603, 83.2309,  
68.5247

■ 73.6477, 81.4173,  
54.5353

■ 80.1193, 85.2331,  
84.8311

■ 71.0548, 79.7734,  
42.7521

■ 84.0369, 87.4206,  
103.5480

■ 68.8623, 78.2941,  
33.0629

■ 85.0960, 88.4692,  
107.1990

■ 67.0464, 76.9699,  
25.3439

■ 85.4895, 89.2561,  
107.3301

■ 65.5814, 75.7906,  
19.4581

■ 85.8858, 90.0487,  
107.4622

■ 64.4377, 74.7444,  
15.2508

■ 86.2850, 90.8470,  
107.5953

■ 63.5813, 73.8175,  
12.5424

■ 86.6870, 91.6511,  
107.7293

■ 62.9701, 72.9931,  
11.1117

■ 87.0919, 92.4609,  
107.8642

■ 62.7271, 72.6112,  
10.7093

■ 87.4997, 93.2764,  
108.0002

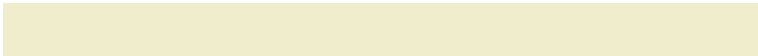
# Harmonies

## Analogous

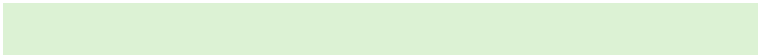
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2071, 83.2309, 68.2744



76.6603, 83.2309, 68.5247



72.9124, 83.2309, 74.3101

# Triad

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



76.6603, 83.2309, 68.5247



73.1856, 83.2309, 110.1036



87.9714, 83.2309, 96.7139

# Complementary

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



76.6603, 83.2309, 68.5247



62.0398, 62.5900, 90.4732

# Split Complementary

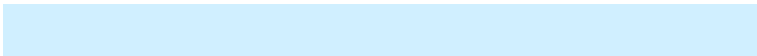
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6460, 83.2309, 109.1669



76.6603, 83.2309, 68.5247



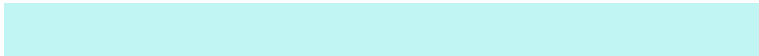
77.0463, 83.2309, 117.3861

# Square

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



76.6603, 83.2309, 68.5247



70.9598, 83.2309, 97.8955



81.6082, 83.2309, 117.0277



87.8582, 83.2309, 83.7223

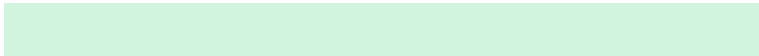


# Rectangle

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



76.6603, 83.2309, 68.5247



71.3192, 83.2309, 80.8762



81.6082, 83.2309, 117.0277



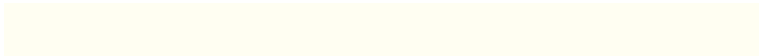
87.4452, 83.2309, 101.1258

# Sweetspot

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



76.6625, 83.2346, 68.5265



92.8396, 98.7559, 98.3700



68.0213, 65.4909, 67.0682



19.8073, 21.1013, 20.7506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

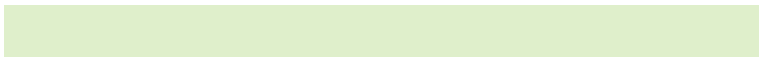
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6625, 83.2346, 68.5265



87.7149, 95.7762, 74.2501



72.2017, 81.7972, 68.4841



17.0435, 18.3001, 16.7837



34.6968, 40.1917, 5.9291



2.9092, 3.3890, 0.5008



# Inverse Universe

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



62.0398, 62.5900, 90.4732



67.8273, 67.6989, 104.1000



66.0302, 63.9432, 90.5241



14.9675, 15.3692, 19.8993



8.7203, 3.6648, 45.3756

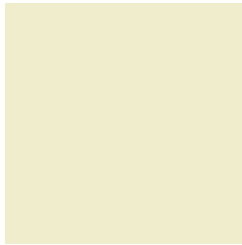


0.7500, 0.3540, 3.7830



# Previews

## White Background



This preview shows how the XYZ color 76.6603, 83.2309, 68.5247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

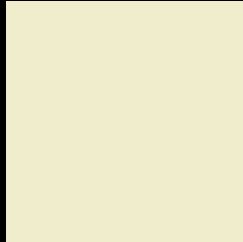
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6603, 83.2309, 68.5247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

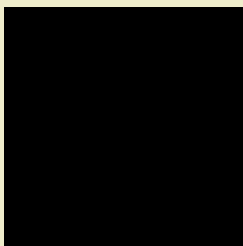
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

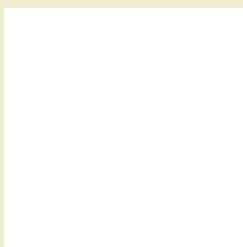
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6603, 83.2309, 68.5247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6603, 83.2309, 68.5247.



This preview shows how white text looks on a background with the XYZ color 76.6603, 83.2309,



# 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

76.6603, 83.2309, 68.5247

### Protanopia

78.7268, 83.4551, 67.8362

### Deuteranopia

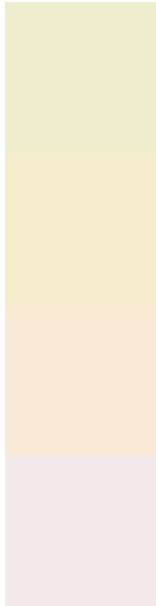
82.3230, 82.9681, 78.6934



## Tritanopia

83.3310, 83.4039, 101.3291

# Trichromacy



## Original Color

76.6603, 83.2309, 68.5247

## Protanomaly

77.9643, 83.4883, 67.8828

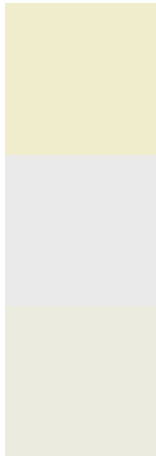
## Deuteranomaly

80.2161, 83.2217, 74.7863

## Tritanomaly

80.6665, 83.1587, 88.1436

# Monochromacy



## Original Color

76.6603, 83.2309, 68.5247

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.6197, 82.5772, 81.6600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6603, 83.2309, 68.5247 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(239, 237, 203)` looks like.

```
.text, #text, p{  
    color:rgb(239, 237, 203)  
}
```

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(239, 237, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 237, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6603, 83.2309, 68.5247 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(239, 237, 203) }
```



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

```
.border{ border-color:rgb(239, 237, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 237, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 237, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 237, 203);  
box-shadow:4px 4px 4px 4px rgb(239, 237,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6603, 83.2309, 68.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 237, 203) }
```

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

```
.background{ background-color: rgb(239,  
237, 203) }
```

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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