

Converting Colors

XYZ(68.5696, 74.2439, 23.2869)

Have a look what the booklet for
XYZ(68.5696, 74.2439, 23.2869)
contains.

XYZ(68.5696, 74.2439, 23.2869)	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(68.5696, 74.2439,
23.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FBDF66</code>
RGB	251, 223, 102
RGB Percent	98%, 87%, 40%
CMY	0.0157, 0.1255, 0.6000
CMYK	0.00, 0.11, 0.59, 0.02
HSL	49°, 95%, 69%
HSV	49°, 59%, 98%
XYZ	68.5696, 74.2439, 23.2869
YIQ	217.5780, 55.5290, -31.6950

Conversions

Conversions Part 2

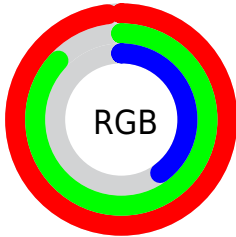
Format	Color
R _Y B	136, 251, 102
Decimal	16506726
CIE Lab	89.04, -4.31, 61.49
CIE LCh	89, 61.646, 94.011
Yxy	74.2439, 0.4128, 0.4470
Android (android.graphics.Color)	4294696806 (0xFFFFBDF66)
YUV	217.5780, -56.9800, 29.3111
Hunter-Lab	86.1649, -8.7392, 44.2917

Details

The XYZ color **68.5696, 74.2439, 23.2869** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.8745, 25.7543, 94.6101**, and the grayscale version is **66.7046, 70.1785, 76.4244**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **36.0016, 39.2869, 8.3750** is the 20% darker color. If you saturate the color by 10%, you get **66.2665, 71.3374, 17.2802**, and if you desaturate by 10%, it is **71.2880, 77.3783, 31.2923**.

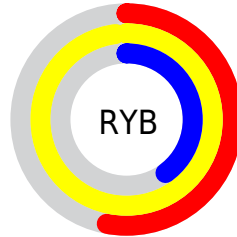
Distribution



Red (98%)

Green (87%)

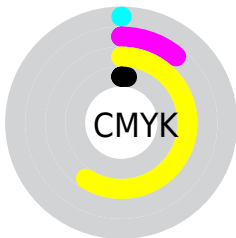
Blue (40%)



Red (53%)

Yellow (98%)

Blue (40%)

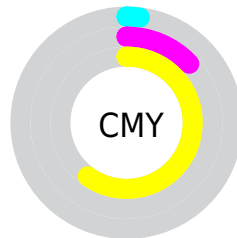


Cyan (0%)

Magenta (11%)

Yellow (59%)

Black (2%)



Cyan (2%)


Magenta (13%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5696, 74.2439, 23.2869 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 68.5696, 74.2439, 23.2869 by changing the saturation by 10% instead.


 68.5696, 74.2439,
23.2869


 68.5696, 74.2439,
23.2869


444.8567,
475.3147, 282.3647


 50.6366, 54.9937,
14.5982


 116.2041,
125.2415, 49.7931


 36.1394, 39.3967,
8.3944


 146.6363,
157.7577, 68.4478

 24.7125, 27.0684,
4.2570


 181.9656,
195.4646, 91.2615

 15.9906, 17.6246,
1.7674

 222.5574,
238.7467, 118.6527

 9.6083, 10.6808,
0.4063

268.7771,
287.9884, 151.0402

 5.2003, 5.8527,
0.0000

320.9899,

 2.4012, 2.7557,

343.5740, 188.8423

0.0000

379.5613,
405.8880, 232.4776

■ 0.8457, 1.0056,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5696, 74.2439,
23.2869

■ 68.5696, 74.2439,
23.2869

■ 66.2665, 71.3374,
17.2802

■ 71.2880, 77.3783,
31.2923

■ 64.3381, 68.6337,
13.0823


■ 74.4477, 80.7429,
41.4543


■ 62.7439, 66.1190,
10.4743


■ 78.0782, 84.3530,
53.9203

■ 61.4193, 63.7668,
9.1171

■ 82.2052, 88.2190,
68.8231

 61.3389, 63.6201,
9.0470

 86.8521, 92.3510,
86.2857

 92.0411, 96.7581,
106.4225

 93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



83.9664, 74.2439, 27.0237



68.5696, 74.2439, 23.2869



55.6402, 74.2439, 29.9013

Triad

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



68.5696, 74.2439, 23.2869



49.2681, 74.2439, 136.3645



99.7771, 74.2439, 122.6778

Complementary

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



68.5696, 74.2439, 23.2869



30.8745, 25.7543, 94.6101

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.



87.9489, 74.2439, 170.3942



68.5696, 74.2439, 23.2869



58.6741, 74.2439, 180.0639

Square

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



68.5696, 74.2439, 23.2869



45.5410, 74.2439, 86.7516



72.6020, 74.2439, 194.3175



103.4033, 74.2439, 75.2013

Rectangle

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



68.5696, 74.2439, 23.2869



49.7187, 74.2439, 41.3850



72.6020, 74.2439, 194.3175



96.5535, 74.2439, 139.7000

Sweetspot

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



68.5713, 74.2474, 23.2884



85.8314, 92.0092, 73.6223



48.6865, 31.6731, 25.3066



18.0886, 19.4356, 14.7156



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.



68.5713, 74.2474, 23.2884



68.3269, 73.4588, 17.0475



62.4326, 83.1182, 25.3242



18.4339, 19.6037, 18.2747



32.3438, 33.6442, 4.7893



3.0647, 3.2543, 0.4666

Inverse Universe

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



30.8745, 25.7543, 94.6101



26.2291, 19.3916, 96.9683



34.1435, 22.6440, 93.8374



16.5469, 17.1705, 21.8274



9.7672, 4.8900, 48.4026



0.9732, 0.5900, 4.5058

Previews

White Background



This preview shows how the XYZ color 68.5696, 74.2439, 23.2869 looks on a white background.

Color Contrast Check

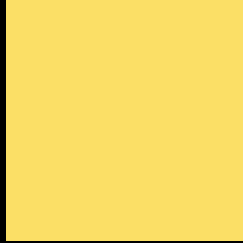
Large Text (above 18pt) WCAG AA × Fail

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 68.5696, 74.2439, 23.2869 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 68.5696, 74.2439, 23.2869

Background



This preview shows how black text looks on a background with the XYZ color 68.5696, 74.2439, 23.2869.



This preview shows how white text looks on a background with the XYZ color 68.5696, 74.2439,

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

68.5696, 74.2439, 23.2869

Protanopia

67.7653, 74.2271, 23.3260

Deuteranopia

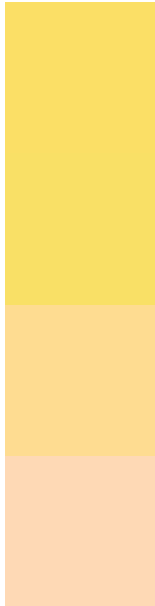
73.4728, 74.2674, 47.9987



Tritanopia

78.7617, 74.3395, 82.1493

Trichromacy



Original Color

68.5696, 74.2439, 23.2869

Protanomaly

68.1208, 74.4104, 23.3427

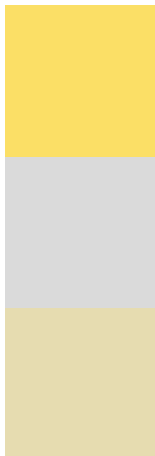
Deuteranomaly

71.5771, 74.3016, 37.3572

Tritanomaly

74.0264, 74.0327, 54.1042

Monochromacy



Original Color

68.5696, 74.2439, 23.2869

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.0628, 71.1440, 51.3246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5696, 74.2439, 23.2869 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(251, 223, 102)` looks like.

```
.text, #text, p{  
    color:rgb(251, 223, 102)  
}
```

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(251, 223, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 223, 102) }
```

Border

The CSS property to change the border of an element to XYZ 68.5696, 74.2439, 23.2869 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(251, 223, 102) }
```


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

```
.border{ border-color:rgb(251, 223, 102) }
```

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

Here you see how a box with a 4 pixel rgb(251, 223, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 223, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 223, 102);  
box-shadow:4px 4px 4px 4px rgb(251, 223,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5696, 74.2439, 23.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 223, 102) }
```

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

```
.background{ background-color: rgb(251,  
223, 102) }
```

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