

Converting Colors

XYZ(23.7440, 42.6535, 10.6573)

Have a look what the booklet for
XYZ(23.7440, 42.6535, 10.6573)
contains.

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Color

**XYZ(23.8697, 42.8865,
10.6343)**

Conversions

Conversions Part 1

Format	Color
Hex	46C837
RGB	70, 200, 55
RGB Percent	27%, 78%, 22%
CMY	0.7255, 0.2157, 0.7843
CMYK	0.65, 0.00, 0.72, 0.22
HSL	114°, 57%, 50%
HSV	114°, 72%, 78%
XYZ	23.8697, 42.8865, 10.6343
YIQ	144.6000, -30.9350, -72.6550

Conversions

Conversions Part 2

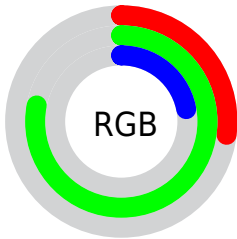
Format	Color
RYB	55, 200, 185
Decimal	4638775
CIELab	71.48, -61.60, 58.72
CIELCh	71, 85.106, 136.373
Yxy	42.8865, 0.3084, 0.5542
Android (android.graphics.Color)	4282828855 (0xFF46C837)
YUV	144.6000, -44.1728, -65.4242
Hunter-Lab	65.4878, -49.5420, 36.2136

Details

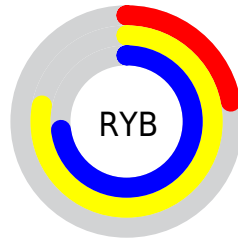
The XYZ color **23.8697, 42.8865, 10.6343** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **31.8018, 17.2185, 56.2932**, and the grayscale version is **26.9348, 28.3376, 30.8596**.

A 20% lighter version of the original color is **48.2473, 77.6323, 27.1935**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **22.3783, 42.1636, 8.5494**, and if you desaturate by 10%, it is **25.9435, 43.8898, 13.7619**.

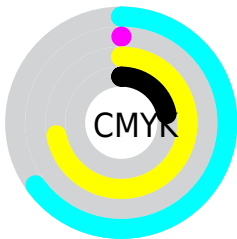
Distribution



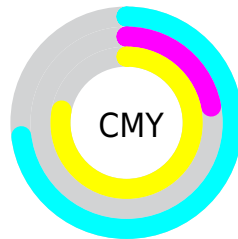
- Red (27%)
- Green (78%)
- Blue (22%)



- Red (22%)
- Yellow (78%)
- Blue (73%)



- Cyan (65%)
- Magenta (0%)
- Yellow (72%)
- Black (22%)





- Cyan (73%)
- Magenta (22%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8697, 42.8865, 10.6343 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 23.8697, 42.8865, 10.6343 by changing the saturation by 10% instead.


 23.8697, 42.8865,
10.6343


 23.8697, 42.8865,
10.6343


264.6138,
358.1448, 205.7877


 15.3612, 29.7961,
5.7104


 49.2737, 79.5396,
27.6082

 9.1612, 19.6839,
2.6039


 66.8999, 103.8710,
40.4952


 4.9045, 12.1654,
0.8945


 88.2961, 132.7182,
56.8738

 2.2255, 6.8565,
0.0000

 113.8276,
166.4656, 77.1624

 0.7561, 3.3725,
0.0000

 143.8598,
205.4975, 101.7795

 0.0000, 1.3292,
0.0000

178.7579,

 0.0000, 0.1636,

250.1984, 131.1437

0.0000

218.8875,
300.9527, 165.6736

■ 0.0000, 0.0000,
0.0000

■ 23.8697, 42.8865,
10.6343

■ 23.8697, 42.8865,
10.6343

■ 22.3783, 42.1636,
8.5494

■ 25.9435, 43.8898,
13.7619

■ 21.4056, 41.6872,
7.3704

■ 28.6488, 45.1925,
18.0410

■ 20.9578, 41.4663,
6.8992

■ 32.0329, 46.8182,
23.5701

■ 36.1376, 48.7866,
30.4363

■ 41.0016, 51.1157,
38.7188

■ 46.6605, 53.8226,
48.4909

■ 53.1479, 56.9229,
59.8205

■ 60.4952, 60.4315,
72.7716

■ 68.7324, 64.3626,
87.4045

Harmonies

Analogous

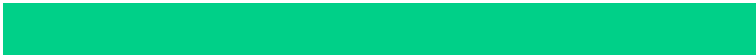
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4664, 42.8865, 4.5042



23.8697, 42.8865, 10.6343



19.3919, 42.8865, 30.4384

Triad

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



23.8697, 42.8865, 10.6343



34.5991, 42.8865, 173.3480



73.3930, 42.8865, 27.7699

Complementary

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



23.8697, 42.8865, 10.6343



31.8018, 17.2185, 56.2932

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.



73.9008, 42.8865, 67.9056



23.8697, 42.8865, 10.6343



49.0483, 42.8865, 171.0083

Square

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



23.8697, 42.8865, 10.6343



24.5303, 42.8865, 130.4669



64.1832, 42.8865, 125.2256



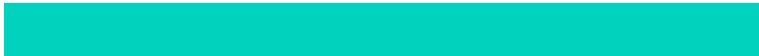
62.9258, 42.8865, 9.6664

Rectangle

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



23.8697, 42.8865, 10.6343



19.0247, 42.8865, 56.0313



64.1832, 42.8865, 125.2256



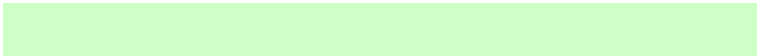
74.8061, 42.8865, 38.4600

Sweetspot

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



23.8707, 42.8883, 10.6353



71.1518, 88.5756, 67.3187



41.4616, 46.4587, 10.3973



14.7034, 18.7070, 13.5081



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.



23.8707, 42.8883, 10.6353



37.6727, 72.4741, 13.4532



25.0776, 43.2613, 21.9488



10.5976, 11.9395, 11.3088



13.3617, 26.3835, 4.3883



0.6680, 1.2675, 0.2094

Inverse Universe

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



31.8018, 17.2185, 56.2932



51.8951, 25.4813, 96.7910



30.2532, 17.0393, 28.2490



10.9709, 10.7588, 13.4159



18.5402, 8.7921, 35.4642



0.9098, 0.4328, 1.6807

Previews

White Background



This preview shows how the XYZ color 23.8697, 42.8865, 10.6343 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 23.8697, 42.8865, 10.6343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

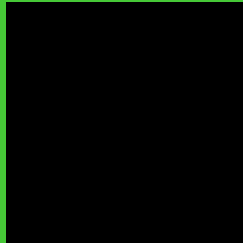
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8697, 42.8865, 10.6343

Background



This preview shows how black text looks on a background with the XYZ color 23.8697, 42.8865, 10.6343.



This preview shows how white text looks on a background with the XYZ color 23.8697, 42.8865,

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

23.8697, 42.8865, 10.6343

Protanopia

38.1752, 42.0876, 8.9080

Deuteranopia

42.8174, 41.9266, 11.3048



Tritanopia

34.2567, 42.8082, 62.3344

Trichromacy



Original Color

23.8697, 42.8865, 10.6343



Protanomaly

30.1087, 40.5900, 9.3797



Deuteranomaly

31.9219, 39.9862, 10.7383



Tritanomaly

28.6881, 42.1445, 35.0565

Monochromacy



Original Color

23.8697, 42.8865, 10.6343



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.8510, 31.9317, 20.2356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8697, 42.8865, 10.6343 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(70, 200, 55)` looks like.

```
.text, #text, p{  
    color:rgb(70, 200, 55)  
}
```

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(70, 200, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 200, 55) }
```

Border

The CSS property to change the border of an element to XYZ 23.8697, 42.8865, 10.6343 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(70, 200, 55) }
```


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

```
.border{ border-color:rgb(70, 200, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 200, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 200, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 200, 55);  
box-shadow:4px 4px 4px 4px rgb(70, 200,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8697, 42.8865, 10.6343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 200, 55) }
```

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

```
.background{ background-color: rgb(70, 200,  
55) }
```

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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