

Converting Colors

XYZ(23.2276, 38.4495, 21.2785)

Have a look what the booklet for
XYZ(23.2276, 38.4495, 21.2785)
contains.

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Color

**XYZ(23.1672, 38.3074,
21.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	43BC6F
RGB	67, 188, 111
RGB Percent	26%, 74%, 44%
CMY	0.7372, 0.2627, 0.5647
CMYK	0.64, 0.00, 0.41, 0.26
HSL	142°, 47%, 50%
HSV	142°, 64%, 74%
XYZ	23.1672, 38.3074, 21.2120
YIQ	143.0430, -47.3990, -49.5990

Conversions

Conversions Part 2

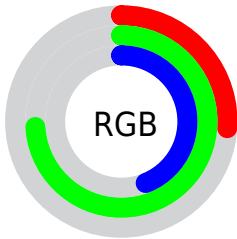
Format	Color
RYB	67, 156, 188
Decimal	4439151
CIELab	68.25, -50.80, 29.31
CIElCh	68, 58.651, 150.015
Yxy	38.3074, 0.2802, 0.4633
Android (android.graphics.Color)	4282629231 (0xFF43BC6F)
YUV	143.0430, -15.7972, -66.6897
Hunter-Lab	61.8930, -41.4982, 23.0052

Details

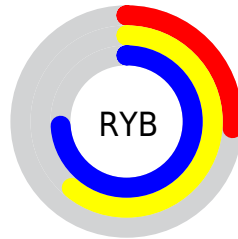
The XYZ color **23.1672, 38.3074, 21.2120** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.7814, 16.7200, 28.1498**, and the grayscale version is **26.2011, 27.5656, 30.0189**.

A 20% lighter version of the original color is **48.0157, 72.4612, 46.1061**, and **9.3946, 17.3980, 7.4204** is the 20% darker color. If you saturate the color by 10%, you get **21.4664, 37.5027, 17.9214**, and if you desaturate by 10%, it is **25.3765, 39.3661, 24.9887**.

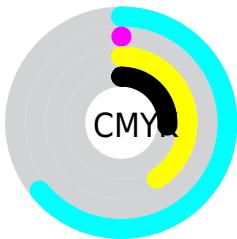
Distribution



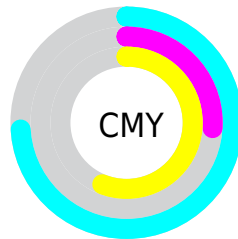
- Red (26%)
- Green (74%)
- Blue (44%)



- Red (26%)
- Yellow (61%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)





- Cyan (74%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1672, 38.3074, 21.2120 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 23.1672, 38.3074, 21.2120 by changing the saturation by 10% instead.


 23.1672, 38.3074,
21.2120


 23.1672, 38.3074,
21.2120


261.1019,
338.9368, 271.2210


 14.8384, 26.2214,
13.0863


 48.1324, 72.5791,
46.3255


 8.7916, 16.9893,
7.3566


 65.4994, 95.5335,
64.1503


 4.6615, 10.2269,
3.6043


 86.6099, 122.8794,
86.0453

 2.0828, 5.5496,
1.4109

 111.8293,
155.0014, 112.4289

 0.6798, 2.5732,
0.1502

 141.5228,
192.2837, 143.7198

 0.0000, 0.9132,
0.0000

176.0558,

 0.0000, 0.0000,

235.1108, 180.3364

0.0000

215.7938,
283.8670, 222.6973

■ 23.1672, 38.3074,
21.2120

■ 23.1672, 38.3074,
21.2120

■ 21.4664, 37.5027,
17.9214

■ 25.3765, 39.3661,
24.9887

■ 20.2254, 36.9243,
15.0939

■ 28.1313, 40.6944,
29.2680

■ 19.3905, 36.5458,
12.7086

■ 31.4682, 42.3118,
34.0686

■ 19.0385, 36.3897,
11.5478

■ 35.4199, 44.2349,
39.4076

■ 40.0163, 46.4788,
45.3012

■ 45.2857, 49.0576,
51.7651

■ 51.2543, 51.9847,
58.8140

■ 57.9471, 55.2726,
66.4624

■ 65.3878, 58.9333,
74.7242

Harmonies

Analogous

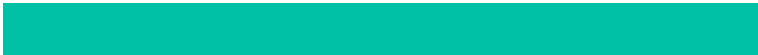
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2787, 38.3074, 11.4741



23.1672, 38.3074, 21.2120



21.4639, 38.3074, 41.7238

Triad

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



23.1672, 38.3074, 21.2120



36.4148, 38.3074, 115.3833



53.9222, 38.3074, 21.1970

Complementary

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



23.1672, 38.3074, 21.2120



27.7814, 16.7200, 28.1498

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.



57.0550, 38.3074, 41.6967



23.1672, 38.3074, 21.2120



45.9674, 38.3074, 102.5390

Square

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



23.1672, 38.3074, 21.2120



28.2856, 38.3074, 102.5637



53.9283, 38.3074, 72.3997



45.9578, 38.3074, 11.4684

Rectangle

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



23.1672, 38.3074, 21.2120



22.2219, 38.3074, 61.5039



53.9283, 38.3074, 72.3997



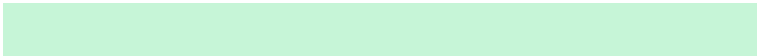
55.6295, 38.3074, 26.6966

Sweetspot

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



23.1682, 38.3090, 21.2129



68.2483, 82.1455, 76.6843



30.7895, 42.4523, 11.8819



14.1737, 17.4197, 15.8416



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1682, 38.3090, 21.2129



37.9318, 67.5102, 30.3826



27.5406, 40.0579, 44.2378



9.5483, 10.7054, 10.8709



12.9947, 24.7882, 8.0351



0.5407, 0.9837, 0.4819

Inverse Universe

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



27.7814, 16.7200, 28.1498



46.8773, 25.3792, 43.6353



24.3929, 15.3646, 10.3061



9.7787, 9.6358, 11.2237



16.4501, 8.2112, 12.9297



0.6747, 0.3338, 0.6663

Previews

White Background



This preview shows how the XYZ color 23.1672, 38.3074, 21.2120 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 23.1672, 38.3074, 21.2120 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 23.1672, 38.3074, 21.2120

Background



This preview shows how black text looks on a background with the XYZ color 23.1672, 38.3074, 21.2120.

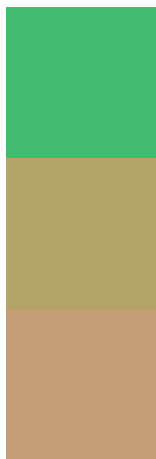


This preview shows how white text looks on a background with the XYZ color 23.1672, 38.3074,

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

23.1672, 38.3074, 21.2120

Protanopia

34.6758, 37.5729, 17.9951

Deuteranopia

38.2618, 37.4975, 22.3607



Tritanopia

30.0602, 38.0182, 56.2060

Trichromacy



Original Color

23.1672, 38.3074, 21.2120



Protanomaly

28.1408, 36.3960, 18.9066



Deuteranomaly

29.6769, 36.0033, 21.6048



Tritanomaly

26.9950, 37.9851, 40.5594

Monochromacy



Original Color

23.1672, 38.3074, 21.2120



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.5651, 30.0798, 26.0367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1672, 38.3074, 21.2120 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(67, 188, 111)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 111)  
}
```

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(67, 188, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.1672, 38.3074, 21.2120 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(67, 188, 111) }
```


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

```
.border{ border-color:rgb(67, 188, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 188, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 111);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1672, 38.3074, 21.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 188, 111) }
```

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

```
.background{ background-color: rgb(67, 188,  
111) }
```

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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