

Converting Colors

XYZ(21.1539, 42.4451, 18.1103)

Have a look what the booklet for
XYZ(21.1539, 42.4451, 18.1103)
contains.

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Color

**XYZ(23.4673, 43.5564,
18.2367)**

Conversions

Conversions Part 1

Format	Color
Hex	00CB60
RGB	0, 203, 96
RGB Percent	0%, 80%, 38%
CMY	0.9999, 0.2039, 0.6235
CMYK	1.00, 0.00, 0.53, 0.20
HSL	148°, 100%, 40%
HSV	148°, 100%, 80%
XYZ	23.4673, 43.5564, 18.2367
YIQ	130.1050, -86.6410, -76.3130

Conversions

Conversions Part 2

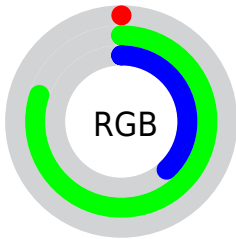
Format	Color
RYB	0, 138, 203
Decimal	52064
CIELab	71.93, -65.34, 41.36
CIELCh	72, 77.330, 147.666
Yxy	43.5564, 0.2752, 0.5109
Android (android.graphics.Color)	4278242144 (0xFF00CB60)
YUV	130.1050, -16.8138, -114.1021
Hunter-Lab	65.9973, -52.0242, 29.8148

Details

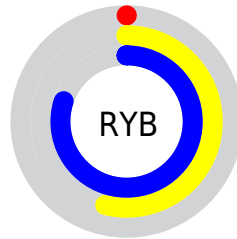
The XYZ color **23.4673, 43.5564, 18.2367** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.2843, 13.7591, 15.1316**, and the grayscale version is **21.3370, 22.4482, 24.4460**.

A 20% lighter version of the original color is **46.6643, 76.5147, 40.7431**, and **10.9074, 21.0569, 5.9721** is the 20% darker color. If you saturate the color by 10%, you get **23.4679, 43.5579, 18.2359**, and if you desaturate by 10%, it is **24.2899, 43.9208, 21.0257**.

Distribution



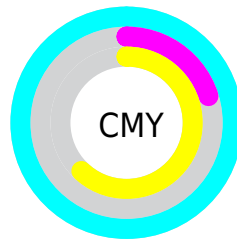
- Red (0%)
- Green (80%)
- Blue (38%)



- Red (0%)
- Yellow (54%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4673, 43.5564, 18.2367 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 23.4673, 43.5564, 18.2367 by changing the saturation by 10% instead.

■ 23.4673, 43.5564,
18.2367

■ 23.4673, 43.5564,
18.2367

262.6069,
360.8950, 254.4826

■ 15.0615, 30.3219,
10.9489

■ 48.6205, 80.5498,
41.2596

■ 8.9492, 20.0831,
5.9187

■ 66.0987, 105.0775,
57.8318

■ 4.7649, 12.4554,
2.7277

■ 87.3317, 134.1385,
78.3358

■ 2.1433, 7.0546,
0.9573

■ 112.6849,
168.1170, 103.1902

■ 0.7126, 3.4963,
0.0000

■ 142.5237,
207.3975, 132.8135

■ 0.0000, 1.3960,
0.0000

177.2134,

■ 0.0000, 0.2138,

252.3644, 167.6244

0.0000

217.1193,
303.4021, 208.0412

■ 0.0000, 0.0000,
0.0000

■ 23.4673, 43.5564,
18.2367

■ 23.4673, 43.5564,
18.2367

■ 23.4679, 43.5579,
18.2359

■ 24.2899, 43.9208,
21.0257

■ 25.4906, 44.4709,
24.1948

■ 27.1792, 45.2642,
27.7628

■ 29.4146, 46.3308,
31.7443

■ 32.2469, 47.6962,
36.1531

■ 35.7201, 49.3830,
41.0022

■ 39.8740, 51.4113,
46.3041

■ 44.7449, 53.7998,
52.0706

■ 50.3667, 56.5656,
58.3130

Harmonies

Analogous

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



30.7128, 43.5564, 7.8151



23.4673, 43.5564, 18.2367



20.8910, 43.5564, 44.5308

Triad

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



23.4673, 43.5564, 18.2367



40.3756, 43.5564, 163.1699



68.1415, 43.5564, 21.0799

Complementary

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



23.4673, 43.5564, 18.2367



27.2843, 13.7591, 15.1316

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.



72.2301, 43.5564, 50.4430



23.4673, 43.5564, 18.2367



54.3145, 43.5564, 145.1085

Square

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



23.4673, 43.5564, 18.2367



29.2711, 43.5564, 138.9679



66.7129, 43.5564, 97.7931



56.4850, 43.5564, 8.7376

Rectangle

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



23.4673, 43.5564, 18.2367



21.6440, 43.5564, 73.0332



66.7129, 43.5564, 97.7931



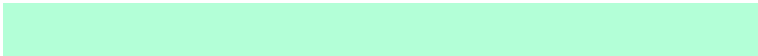
70.5420, 43.5564, 28.6357

Sweetspot

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



23.4684, 43.5582, 18.2377



66.4591, 85.9338, 77.1554



27.5747, 45.9189, 7.4103



13.5626, 18.0696, 15.6853



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.



23.4684, 43.5582, 18.2377



39.1857, 72.8903, 29.9595



31.3477, 46.7099, 59.7299



11.2852, 12.6238, 13.0592



14.9796, 27.7371, 11.8436



0.8110, 1.4462, 0.8124

Inverse Universe

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



27.2843, 13.7591, 15.1316



45.5722, 22.9929, 24.7429



24.6668, 12.7121, 1.3483



11.4552, 11.3108, 12.9319



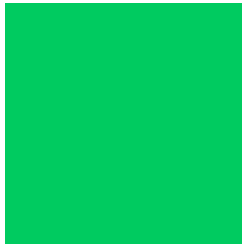
17.4090, 8.7742, 9.8724



0.9363, 0.4679, 0.7104

Previews

White Background



This preview shows how the XYZ color 23.4673, 43.5564, 18.2367 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 23.4673, 43.5564, 18.2367 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

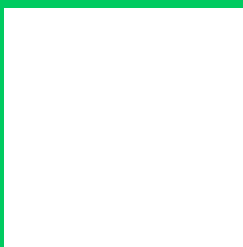
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4673, 43.5564, 18.2367

Background



This preview shows how black text looks on a background with the XYZ color 23.4673, 43.5564, 18.2367.



This preview shows how white text looks on a background with the XYZ color 23.4673, 43.5564,

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

23.4673, 43.5564, 18.2367

Protanopia

39.0426, 42.6855, 15.1982

Deuteranopia

43.5199, 42.6544, 19.3040



Tritanopia

33.1177, 43.4289, 65.6686

Trichromacy



Original Color

23.4673, 43.5564, 18.2367



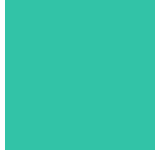
Protanomaly

27.3628, 39.6471, 15.8833



Deuteranomaly

28.7112, 38.7527, 18.5372



Tritanomaly

27.8056, 42.4983, 43.2967

Monochromacy



Original Color

23.4673, 43.5564, 18.2367



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.8943, 27.2609, 21.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4673, 43.5564, 18.2367 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(0, 203, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 96)  
}
```

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(0, 203, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 96) }
```

Border

The CSS property to change the border of an element to XYZ 23.4673, 43.5564, 18.2367 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(0, 203, 96) }
```


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

```
.border{ border-color:rgb(0, 203, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 203, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4673, 43.5564, 18.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 96) }
```

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

```
.background{ background-color: rgb(0, 203,  
96) }
```

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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