

Converting Colors

XYZ(24.3373, 42.2470, 19.4422)

Have a look what the booklet for
XYZ(24.3373, 42.2470, 19.4422)
contains.

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Color

**XYZ(24.3373, 42.2470,
19.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC666
RGB	58, 198, 102
RGB Percent	23%, 78%, 40%
CMY	0.7725, 0.2235, 0.6000
CMYK	0.71, 0.00, 0.48, 0.22
HSL	139°, 55%, 50%
HSV	139°, 71%, 78%
XYZ	24.3373, 42.2470, 19.4422
YIQ	145.1960, -52.6240, -59.5360

Conversions

Conversions Part 2

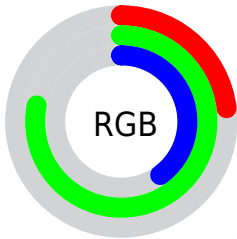
Format	Color
RYB	58, 165, 198
Decimal	3851878
CIELab	71.04, -57.67, 37.45
CIELCh	71, 68.764, 147.004
Yxy	42.2470, 0.2829, 0.4911
Android (android.graphics.Color)	4282041958 (0xFF3AC666)
YUV	145.1960, -21.2956, -76.4709
Hunter-Lab	64.9977, -46.9096, 27.7635

Details

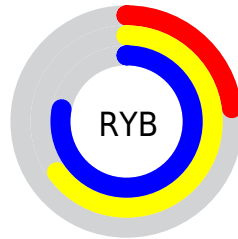
The XYZ color **24.3373, 42.2470, 19.4422** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.6358, 17.3658, 32.3104**, and the grayscale version is **27.0936, 28.5046, 31.0415**.

A 20% lighter version of the original color is **49.8448, 78.0975, 43.4576**, and **10.4423, 19.8929, 6.5382** is the 20% darker color. If you saturate the color by 10%, you get **22.7808, 41.5173, 16.1382**, and if you desaturate by 10%, it is **26.4486, 43.2523, 23.3498**.

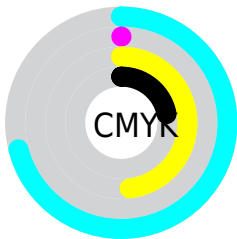
Distribution



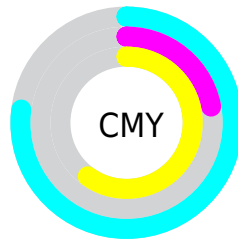
- Red (23%)
- Green (78%)
- Blue (40%)



- Red (23%)
- Yellow (65%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3373, 42.2470, 19.4422 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 24.3373, 42.2470, 19.4422 by changing the saturation by 10% instead.


 24.3373, 42.2470,
19.4422


 24.3373, 42.2470,
19.4422


266.9303,
355.5058, 261.3828


 15.7101, 29.2947,
11.8102


 50.0307, 78.5733,
43.3266


 9.4088, 19.3039,
6.4936


 67.8277, 102.7162,
60.4161


 5.0680, 11.8901,
3.0739


 89.4120, 131.3580,
81.4951

 2.3224, 6.6689,
1.1325

 115.1489,
164.8832, 106.9823

 0.8061, 3.2559,
0.0000

 145.4038,
203.6762, 137.2961

 0.0000, 1.2667,
0.0000

180.5421,

 0.0000, 0.1152,

248.1214, 172.8551

0.0000

220.9292,
298.6031, 214.0778

■ 0.0000, 0.0000,
0.0000

■ 24.3373, 42.2470,
19.4422

■ 24.3373, 42.2470,
19.4422

■ 22.7808, 41.5173,
16.1382

■ 26.4486, 43.2523,
23.3498

■ 21.7167, 41.0282,
13.4040


■ 29.1621, 44.5536,
27.8865


■ 21.0707, 40.7401,
11.3436


■ 32.5232, 46.1748,
33.0799


■ 36.5721, 48.1363,
38.9550

■ 41.3456, 50.4564,
45.5354

 46.8778, 53.1523,
52.8437

 53.2006, 56.2400,
60.9015

 60.3442, 59.7347,
69.7292

 68.3368, 63.6505,
79.3467

Harmonies

Analogous

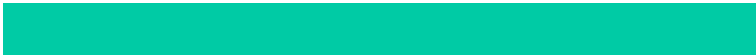
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9406, 42.2470, 9.5313



24.3373, 42.2470, 19.4422



21.8950, 42.2470, 42.7731

Triad

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



24.3373, 42.2470, 19.4422



39.0114, 42.2470, 142.4491



63.2140, 42.2470, 22.8479

Complementary

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



24.3373, 42.2470, 19.4422



30.6358, 17.3658, 32.3104

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.



66.4855, 42.2470, 49.3849



24.3373, 42.2470, 19.4422



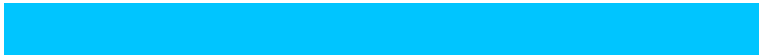
51.0370, 42.2470, 128.4703

Square

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



24.3373, 42.2470, 19.4422



29.2907, 42.2470, 122.0262



61.6650, 42.2470, 89.7434



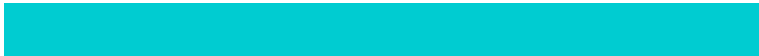
53.4186, 42.2470, 10.7362

Rectangle

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



24.3373, 42.2470, 19.4422



22.5250, 42.2470, 67.0798



61.6650, 42.2470, 89.7434



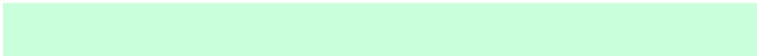
65.1855, 42.2470, 29.8754

Sweetspot

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



24.3384, 42.2487, 19.4432



72.6601, 89.0766, 79.8859



34.6696, 47.7635, 11.3953



15.0216, 18.8079, 16.3771



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.



24.3384, 42.2487, 19.4432



39.1895, 72.9852, 25.7592



29.1959, 44.1918, 45.0229



10.6325, 11.9419, 12.0150



13.7367, 26.5071, 7.5581



0.6835, 1.2683, 0.5321

Inverse Universe

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



30.6358, 17.3658, 32.3104



50.8978, 26.2449, 49.3287



26.4826, 15.7045, 10.4401



10.9357, 10.7577, 12.6449



18.0648, 8.9755, 16.0829



0.8870, 0.4377, 0.9283

Previews

White Background



This preview shows how the XYZ color 24.3373, 42.2470, 19.4422 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 24.3373, 42.2470, 19.4422 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 24.3373, 42.2470, 19.4422

Background



This preview shows how black text looks on a background with the XYZ color 24.3373, 42.2470, 19.4422.

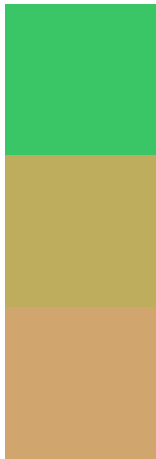


This preview shows how white text looks on a background with the XYZ color 24.3373, 42.2470,

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

24.3373, 42.2470, 19.4422

Protanopia

38.1546, 41.6246, 16.3793

Deuteranopia

42.2820, 41.4460, 20.5232



Tritanopia

32.8446, 42.0802, 62.2683

Trichromacy



Original Color

24.3373, 42.2470, 19.4422



Protanomaly

29.9946, 40.0512, 17.2161



Deuteranomaly

31.5129, 39.2781, 19.8305



Tritanomaly

28.8220, 41.7203, 42.6101

Monochromacy



Original Color

24.3373, 42.2470, 19.4422



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.0480, 31.6466, 25.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3373, 42.2470, 19.4422 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(58, 198, 102)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 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(58, 198, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 102) }
```

Border

The CSS property to change the border of an element to XYZ 24.3373, 42.2470, 19.4422 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(58, 198, 102) }
```


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

```
.border{ border-color:rgb(58, 198, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 198, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 102);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3373, 42.2470, 19.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 102) }
```

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

```
.background{ background-color: rgb(58, 198,  
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](#).

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