

Converting Colors

XYZ(14.7220, 37.6015, 23.5647)

Have a look what the booklet for
XYZ(14.7220, 37.6015, 23.5647)
contains.

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Color

**XYZ(23.6934, 42.1549,
24.0275)**

Conversions

Conversions Part 1

Format	Color
Hex	00C776
RGB	0, 199, 118
RGB Percent	0%, 78%, 46%
CMY	1.0000, 0.2196, 0.5372
CMYK	1.00, 0.00, 0.41, 0.22
HSL	156°, 100%, 39%
HSV	156°, 100%, 78%
XYZ	23.6934, 42.1549, 24.0275
YIQ	130.2650, -92.6030, -67.3790

Conversions

Conversions Part 2

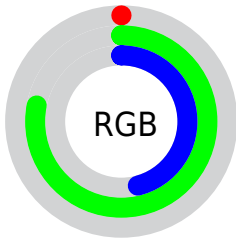
Format	Color
RYB	0, 125, 199
Decimal	51062
CIELab	70.98, -60.23, 29.10
CIELCh	71, 66.888, 154.209
Yxy	42.1549, 0.2636, 0.4690
Android (android.graphics.Color)	4278241142 (0xFF00C776)
YUV	130.2650, -6.0466, -114.2424
Hunter-Lab	64.9268, -48.4828, 23.5073

Details

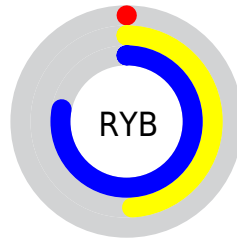
The XYZ color **23.6934, 42.1549, 24.0275** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.0397, 12.7370, 8.9249**, and the grayscale version is **21.3575, 22.4698, 24.4696**.

A 20% lighter version of the original color is **48.3662, 77.1696, 50.8741**, and **11.0166, 20.3639, 8.8188** is the 20% darker color. If you saturate the color by 10%, you get **23.6942, 42.1565, 24.0276**, and if you desaturate by 10%, it is **24.4834, 42.5052, 26.6874**.

Distribution



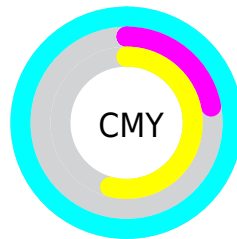
- Red (0%)
- Green (78%)
- Blue (46%)



- Red (0%)
- Yellow (49%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6934, 42.1549, 24.0275 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 23.6934, 42.1549, 24.0275 by changing the saturation by 10% instead.


 23.6934, 42.1549,
24.0275


 23.6934, 42.1549,
24.0275


263.7361,
355.1247, 286.2505


 15.2298, 29.2226,
15.1416


 48.9877, 78.4340,
51.0195


 9.0682, 19.2493,
8.7711


 66.5492, 102.5496,
69.9626


 4.8432, 11.8505,
4.4974


 87.8741, 131.1618,
93.0953

 2.1893, 6.6420,
1.9020

 113.3276,
164.6549, 120.8361

 0.7371, 3.2392,
0.4940

 143.2752,
203.4133, 153.6035

 0.0000, 1.2579,
0.0000

178.0823,

 0.0000, 0.1082,

247.8215, 191.8159

0.0000

218.1141,
298.2638, 235.8921

■ 0.0000, 0.0000,
0.0000

■ 23.6934, 42.1549,
24.0275

■ 23.6934, 42.1549,
24.0275

■ 23.6942, 42.1565,
24.0276

■ 24.4834, 42.5052,
26.6874

■ 25.6091, 43.0227,
29.5831

■ 27.1754, 43.7622,
32.7255

■ 29.2371, 44.7520,
36.1220

■ 31.8406, 46.0159,
39.7796

■ 35.0268, 47.5748,
43.7047

■ 38.8324, 49.4477,
47.9034

■ 43.2910, 51.6517,
52.3818

■ 48.4337, 54.2028,
57.1454

Harmonies

Analogous

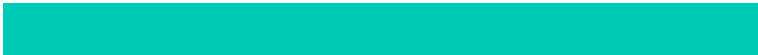
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1789, 42.1549, 11.5390



23.6934, 42.1549, 24.0275



22.2591, 42.1549, 50.5567

Triad

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



23.6934, 42.1549, 24.0275



41.6617, 42.1549, 138.4400



60.5478, 42.1549, 19.3044

Complementary

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



23.6934, 42.1549, 24.0275



25.0397, 12.7370, 8.9249

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.



65.4860, 42.1549, 41.5375



23.6934, 42.1549, 24.0275



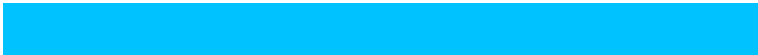
53.3739, 42.1549, 117.7316

Square

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



23.6934, 42.1549, 24.0275



31.4418, 42.1549, 126.3823



62.6443, 42.1549, 78.1433



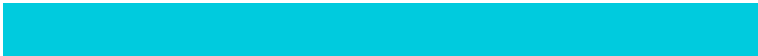
50.1407, 42.1549, 9.8349

Rectangle

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



23.6934, 42.1549, 24.0275



23.5176, 42.1549, 75.9729



62.6443, 42.1549, 78.1433



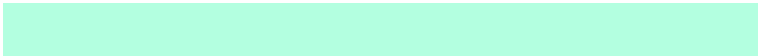
62.9820, 42.1549, 25.0394

Sweetspot

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



23.6945, 42.1566, 24.0285



67.6707, 86.4185, 83.5359



23.9847, 42.6840, 6.9749



13.8495, 18.1844, 17.1962



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.



23.6945, 42.1566, 24.0285



41.3624, 73.7610, 41.4218



27.1235, 37.7521, 59.8923



10.7569, 11.9917, 12.6702



15.2797, 27.1242, 15.6832



0.7588, 1.2984, 0.9283

Inverse Universe

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



25.0397, 12.7370, 8.9249



43.7284, 22.2554, 15.0337



23.7483, 12.5309, 1.1672



10.8098, 10.7073, 11.9818



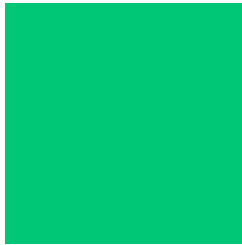
16.1414, 8.2061, 5.9542



0.8000, 0.4029, 0.4702

Previews

White Background



This preview shows how the XYZ color 23.6934, 42.1549, 24.0275 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 23.6934, 42.1549, 24.0275 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 23.6934, 42.1549, 24.0275

Background



This preview shows how black text looks on a background with the XYZ color 23.6934, 42.1549, 24.0275.



This preview shows how white text looks on a background with the XYZ color 23.6934, 42.1549,

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

23.6934, 42.1549, 24.0275

Protanopia

38.1454, 41.2580, 19.8630

Deuteranopia

42.1229, 41.2540, 25.4814



Tritanopia

31.7692, 42.1325, 63.5847

Trichromacy



Original Color

23.6934, 42.1549, 24.0275



Protanomaly

27.3429, 38.5967, 21.0477



Deuteranomaly

28.5032, 37.6202, 24.4980



Tritanomaly

27.7395, 41.7379, 46.1294

Monochromacy



Original Color

23.6934, 42.1549, 24.0275



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.0545, 26.7880, 23.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6934, 42.1549, 24.0275 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, 199, 118)` looks like.

```
.text, #text, p{  
  color:rgb(0, 199, 118)  
}
```

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, 199, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.6934, 42.1549, 24.0275 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, 199, 118) }
```


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

```
.border{ border-color:rgb(0, 199, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6934, 42.1549, 24.0275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 118) }
```

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

```
.background{ background-color: rgb(0, 199,  
118) }
```

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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