

Converting Colors

XYZ(24.2675, 42.3477, 27.1642)

Have a look what the booklet for
XYZ(24.2675, 42.3477, 27.1642)
contains.

XYZ(24.3197, 42.4054, 27.3253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3197, 42.4054,
27.3253)**

Conversions

Conversions Part 1

Format	Color
Hex	00C780
RGB	0, 199, 128
RGB Percent	0%, 78%, 50%
CMY	0.9999, 0.2196, 0.4980
CMYK	1.00, 0.00, 0.36, 0.22
HSL	159°, 100%, 39%
HSV	159°, 100%, 78%
XYZ	24.3197, 42.4054, 27.3253
YIQ	131.4050, -95.8130, -64.2690

Conversions

Conversions Part 2

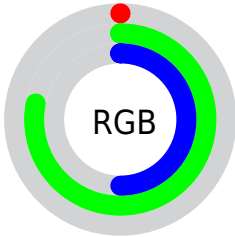
Format	Color
RYB	0, 121, 199
Decimal	51072
CIELab	71.15, -58.22, 24.10
CIELCh	71, 63.011, 157.508
Yxy	42.4054, 0.2586, 0.4509
Android (android.graphics.Color)	4278241152 (0xFF00C780)
YUV	131.4050, -1.6787, -115.2422
Hunter-Lab	65.1194, -47.2958, 20.7044

Details

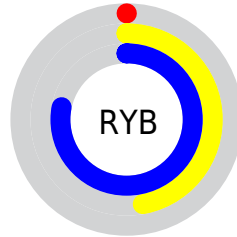
The XYZ color **24.3197, 42.4054, 27.3253** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.6921, 12.5980, 7.0942**, and the grayscale version is **21.7508, 22.8836, 24.9202**.

A 20% lighter version of the original color is **49.3560, 77.5655, 56.0864**, and **11.3484, 20.4966, 10.5658** is the 20% darker color. If you saturate the color by 10%, you get **24.3203, 42.4069, 27.3245**, and if you desaturate by 10%, it is **25.0914, 42.7484, 29.8884**.

Distribution



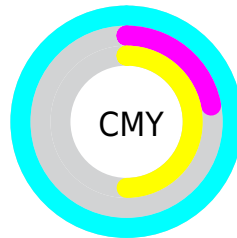
- Red (0%)
- Green (78%)
- Blue (50%)



- Red (0%)
- Yellow (47%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3197, 42.4054, 27.3253 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 24.3197, 42.4054, 27.3253 by changing the saturation by 10% instead.


 24.3197, 42.4054,
27.3253


 24.3197, 42.4054,
27.3253


266.8434,
356.1607, 303.0386


 15.6970, 29.4189,
17.5831


 50.0023, 78.8128,
56.4155

 9.3995, 19.3979,
10.4848


 67.7929, 103.0025,
76.6006


 5.0618, 11.9582,
5.6117


 89.3701, 131.6953,
101.1037

 2.3187, 6.7152,
2.5455

 115.0993,
165.2757, 130.3433

 0.8042, 3.2846,
0.8641

 145.3459,
204.1280, 164.7381

 0.0000, 1.2821,
0.0000

180.4752,

 0.0000, 0.1273,

248.6367, 204.7066

0.0000

220.8526,
299.1862, 250.6672

■ 0.0000, 0.0000,
0.0000

■ 24.3197, 42.4054,
27.3253

■ 24.3197, 42.4054,
27.3253

■ 24.3203, 42.4069,
27.3245

■ 25.0914, 42.7484,
29.8884

■ 26.1899, 43.2550,
32.6400

■ 27.7197, 43.9799,
35.5892

■ 29.7352, 44.9513,
38.7417

■ 32.2826, 46.1927,
42.1028

■ 35.4025, 47.7252,
45.6774

■ 39.1311, 49.5673,
49.4702

■ 43.5021, 51.7363,
53.4857

■ 48.5461, 54.2479,
57.7280

Harmonies

Analogous

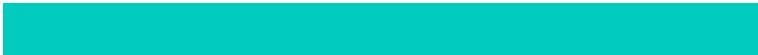
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1739, 42.4054, 13.7224



24.3197, 42.4054, 27.3253



23.3553, 42.4054, 54.1862

Triad

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



24.3197, 42.4054, 27.3253



43.0139, 42.4054, 131.0226



58.6302, 42.4054, 19.0663

Complementary

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



24.3197, 42.4054, 27.3253



24.6921, 12.5980, 7.0942

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.



63.9430, 42.4054, 38.9902



24.3197, 42.4054, 27.3253



53.9588, 42.4054, 109.2787

Square

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



24.3197, 42.4054, 27.3253



33.0333, 42.4054, 123.3209



62.0990, 42.4054, 72.1487



48.5726, 42.4054, 10.6120

Rectangle

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



24.3197, 42.4054, 27.3253



24.8594, 42.4054, 78.5336



62.0990, 42.4054, 72.1487



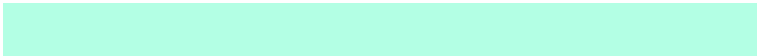
61.1035, 42.4054, 24.2040

Sweetspot

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



24.3208, 42.4071, 27.3263



68.1976, 86.6292, 86.3102



23.1702, 42.2640, 6.9370



13.9751, 18.2346, 17.8573



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.



24.3208, 42.4071, 27.3263



42.4620, 74.2008, 47.2123



25.1518, 33.8087, 59.2350



10.7798, 12.0008, 12.7908



15.6809, 27.2847, 17.7961



0.7761, 1.3054, 1.0197

Inverse Universe

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



24.6921, 12.5980, 7.0942



43.1278, 22.0151, 11.8708



23.9358, 12.9058, 1.2299



10.7876, 10.6984, 11.8648



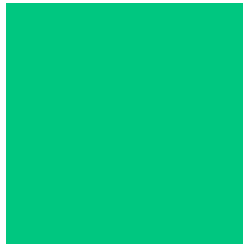
15.9149, 8.1155, 4.7616



0.7881, 0.3981, 0.4073

Previews

White Background



This preview shows how the XYZ color 24.3197, 42.4054, 27.3253 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 24.3197, 42.4054, 27.3253 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

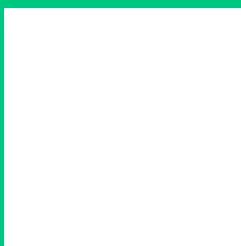
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3197, 42.4054, 27.3253

Background



This preview shows how black text looks on a background with the XYZ color 24.3197, 42.4054, 27.3253.



This preview shows how white text looks on a background with the XYZ color 24.3197, 42.4054,

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

24.3197, 42.4054, 27.3253

Protanopia

38.6480, 41.7363, 22.8486

Deuteranopia

42.4373, 41.6066, 29.0867



Tritanopia

31.9587, 42.5368, 64.2836

Trichromacy



Original Color

24.3197, 42.4054, 27.3253



Protanomaly

27.7869, 38.7583, 24.1057



Deuteranomaly

29.2073, 38.2014, 28.0245



Tritanomaly

28.0880, 41.8721, 48.1967

Monochromacy



Original Color

24.3197, 42.4054, 27.3253



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.4850, 27.2276, 25.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3197, 42.4054, 27.3253 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 128) }
```

Border

The CSS property to change the border of an element to XYZ 24.3197, 42.4054, 27.3253 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, 128) }
```


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

```
.border{ border-color:rgb(0, 199, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3197, 42.4054, 27.3253 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, 128) }
```

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

```
.background{ background-color: rgb(0, 199,  
128) }
```

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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