

Converting Colors

XYZ(19.2737, 39.1711, 19.3964)

Have a look what the booklet for
XYZ(19.2737, 39.1711, 19.3964)
contains.

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Color

**XYZ(22.4144, 40.9118,
19.5474)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00C567 |
| RGB | 0, 197, 103 |
| RGB Percent | 0%, 77%, 40% |
| CMY | 1.0000, 0.2274, 0.5961 |
| CMYK | 1.00, 0.00, 0.48, 0.23 |
| HSL | 151°, 100%, 39% |
| HSV | 151°, 100%, 77% |
| XYZ | 22.4144, 40.9118, 19.5474 |
| YIQ | 127.3810, -87.2380, -70.9980 |

Conversions

Conversions Part 2

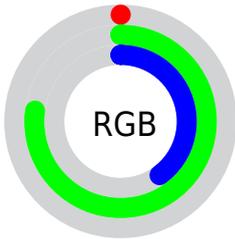
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 129, 197 |
| Decimal | 50535 |
| CIELab | 70.11, -62.27, 35.65 |
| CIELCh | 70, 71.752, 150.211 |
| Yxy | 40.9118, 0.2705, 0.4937 |
| Android (android.graphics.Color) | 4278240615 (0xFF00C567) |
| YUV | 127.3810, -12.0198, -111.7131 |
| Hunter-Lab | 63.9623, -49.3821, 26.6541 |

Details

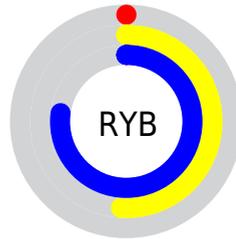
The XYZ color **22.4144, 40.9118, 19.5474** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.0476, 12.6792, 11.7182**, and the grayscale version is **20.3666, 21.4273, 23.3343**.

A 20% lighter version of the original color is **46.9319, 76.5959, 43.3213**, and **10.3156, 19.6030, 6.6082** is the 20% darker color. If you saturate the color by 10%, you get **22.4152, 40.9134, 19.5477**, and if you desaturate by 10%, it is **23.1967, 41.2586, 22.1883**.

Distribution



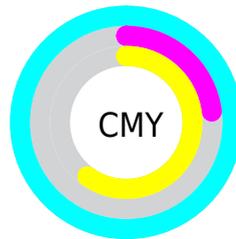
- Red (0%)
- Green (77%)
- Blue (40%)



- Red (0%)
- Yellow (51%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4144, 40.9118, 19.5474 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 22.4144, 40.9118, 19.5474 by changing the saturation by 10% instead.

■ 22.4144, 40.9118,
19.5474

■ 22.4144, 40.9118,
19.5474

257.2947,
349.9519, 261.9770

■ 14.2800, 28.2502,
11.8857

■ 46.9037, 76.5500,
43.5060

■ 8.3987, 18.5143,
6.5443

■ 63.9894, 100.2953,
60.6400

■ 4.4050, 11.3199,
3.1047

■ 84.7895, 128.5040,
81.7684

■ 1.9337, 6.2824,
1.1483

■ 109.6695,
161.5605, 107.3099

■ 0.5963, 3.0176,
0.0000

■ 138.9946,
199.8491, 137.6830

■ 0.0000, 1.1409,
0.0000

173.1303,

■ 0.0000, 0.0126,

243.7543, 173.3061

0.0000

212.4419,
293.6604, 214.5979

■ 0.0000, 0.0000,
0.0000

■ 22.4144, 40.9118,
19.5474

■ 22.4144, 40.9118,
19.5474

■ 22.4152, 40.9134,
19.5477

■ 23.1967, 41.2586,
22.1883

■ 24.3199, 41.7737,
25.1299

■ 25.8875, 42.5114,
28.3863

■ 27.9537, 43.4994,
31.9680

■ 30.5643, 44.7612,
35.8848

■ 33.7596, 46.3174,
40.1461

■ 37.5761, 48.1867,
44.7607

■ 42.0471, 50.3861,
49.7370

■ 47.2034, 52.9313,
55.0832

Harmonies

Analogous

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



28.6063, 40.9118, 8.7984



22.4144, 40.9118, 19.5474



20.4133, 40.9118, 44.7839

Triad

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



22.4144, 40.9118, 19.5474



38.9684, 40.9118, 145.3669



61.8099, 40.9118, 19.3108

Complementary

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



22.4144, 40.9118, 19.5474



25.0476, 12.6792, 11.7182

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.



66.0758, 40.9118, 44.3089



22.4144, 40.9118, 19.5474



51.3720, 40.9118, 126.9109

Square

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



22.4144, 40.9118, 19.5474



28.7236, 40.9118, 127.3888



61.9230, 40.9118, 84.9517



51.1992, 40.9118, 8.7181

Rectangle

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



22.4144, 40.9118, 19.5474



21.3301, 40.9118, 70.7902



61.9230, 40.9118, 84.9517



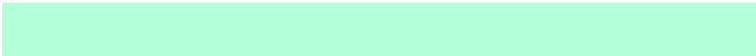
64.1186, 40.9118, 25.7520

Sweetspot

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



22.4154, 40.9135, 19.5483



66.9551, 86.1322, 79.7674



24.7094, 42.3788, 6.8778



13.6798, 18.1164, 16.3022



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.



22.4154, 40.9135, 19.5483



40.0160, 73.2224, 34.3317



29.3081, 42.4905, 59.4822



10.7252, 11.9790, 12.5031



14.7854, 26.9265, 13.0806



0.7365, 1.2896, 0.8113

Inverse Universe

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



25.0476, 12.6792, 11.7182



44.7329, 22.6571, 20.3232



23.0626, 11.9422, 1.0897



10.8411, 10.7198, 12.1464



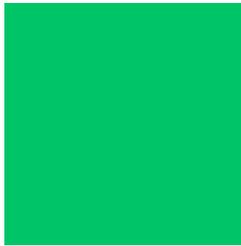
16.5159, 8.3559, 7.9263



0.8186, 0.4103, 0.5678

Previews

White Background



This preview shows how the XYZ color 22.4144, 40.9118, 19.5474 looks on a white background.

Color Contrast Check

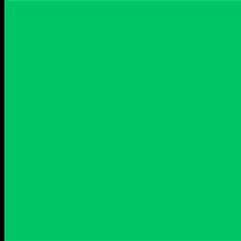
Large Text (above 18pt) WCAG AA × Fail

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 22.4144, 40.9118, 19.5474 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 22.4144, 40.9118, 19.5474

Background



This preview shows how black text looks on a background with the XYZ color 22.4144, 40.9118, 19.5474.



This preview shows how white text looks on a background with the XYZ color 22.4144, 40.9118,

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

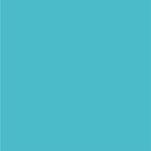
22.4144, 40.9118, 19.5474

Protanopia

36.8440, 40.1046, 16.1550

Deuteranopia

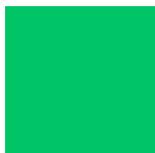
40.9237, 40.2016, 20.9320



Tritanopia

31.0032, 40.8307, 61.5054

Trichromacy



Original Color

22.4144, 40.9118, 19.5474



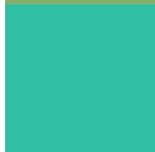
Protanomaly

26.0867, 37.4275, 17.1586



Deuteranomaly

27.2962, 36.5099, 20.0765



Tritanomaly

26.4239, 40.1719, 41.9586

Monochromacy



Original Color

22.4144, 40.9118, 19.5474



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.8916, 25.5138, 21.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4144, 40.9118, 19.5474 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, 197, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 103)  
}
```

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, 197, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 103) }
```

Border

The CSS property to change the border of an element to XYZ 22.4144, 40.9118, 19.5474 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, 197, 103) }
```

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

```
.border{ border-color:rgb(0, 197, 103) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4144, 40.9118, 19.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 103) }
```

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

```
.background{ background-color: rgb(0, 197,  
103) }
```

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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