

Converting Colors

XYZ(18.5135, 39.5590, 20.0548)

Have a look what the booklet for
XYZ(18.5135, 39.5590, 20.0548)
contains.

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Color

**XYZ(22.9732, 41.8668,
20.2349)**

Conversions

Conversions Part 1

Format	Color
Hex	00C769
RGB	0, 199, 105
RGB Percent	0%, 78%, 41%
CMY	1.0000, 0.2196, 0.5882
CMYK	1.00, 0.00, 0.47, 0.22
HSL	152°, 100%, 39%
HSV	152°, 100%, 78%
XYZ	22.9732, 41.8668, 20.2349
YIQ	128.7830, -88.4300, -71.4220

Conversions

Conversions Part 2

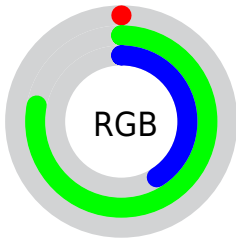
Format	Color
RYB	0, 130, 199
Decimal	51049
CIELab	70.78, -62.59, 35.49
CIELCh	71, 71.950, 150.449
Yxy	41.8668, 0.2700, 0.4921
Android (android.graphics.Color)	4278241129 (0xFF00C769)
YUV	128.7830, -11.7250, -112.9427
Hunter-Lab	64.7046, -49.8570, 26.7516

Details

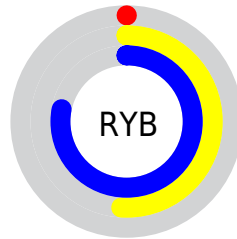
The XYZ color **22.9732, 41.8668, 20.2349** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.5749, 12.9510, 11.7432**, and the grayscale version is **20.8534, 21.9394, 23.8920**.

A 20% lighter version of the original color is **47.1871, 76.6979, 44.6649**, and **10.5120, 19.9208, 6.9055** is the 20% darker color. If you saturate the color by 10%, you get **22.9740, 41.8684, 20.2351**, and if you desaturate by 10%, it is **23.7711, 42.2203, 22.9366**.

Distribution



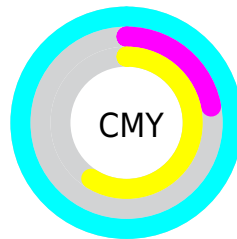
- Red (0%)
- Green (78%)
- Blue (41%)



- Red (0%)
- Yellow (51%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9732, 41.8668, 20.2349 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 22.9732, 41.8668, 20.2349 by changing the saturation by 10% instead.

■ 22.9732, 41.8668,
20.2349

■ 22.9732, 41.8668,
20.2349

260.1252,
353.9305, 265.8301

■ 14.6943, 28.9970,
12.3801

■ 47.8163, 77.9980,
44.6748

■ 8.6900, 19.0786,
6.8775

■ 65.1112, 102.0282,
62.0970

■ 4.5950, 11.7271,
3.3083

■ 86.1422, 130.5473,
83.5455

■ 2.0440, 6.5581,
1.2541

■ 111.2746,
163.9397, 109.4387

■ 0.6585, 3.1873,
0.0237

■ 140.8737,
202.5899, 140.1952

■ 0.0000, 1.2303,
0.0000

175.3049,

■ 0.0000, 0.0862,

246.8821, 176.2336

0.0000

214.9337,
297.2008, 217.9724

■ 0.0000, 0.0000,
0.0000

■ 22.9732, 41.8668,
20.2349

■ 22.9732, 41.8668,
20.2349

■ 22.9740, 41.8684,
20.2351

■ 23.7711, 42.2203,
22.9366

■ 24.9175, 42.7460,
25.9412

■ 26.5178, 43.4991,
29.2627

■ 28.6274, 44.5081,
32.9117

■ 31.2934, 45.7970,
36.8981

■ 34.5569, 47.3869,
41.2310

■ 38.4554, 49.2969,
45.9193

■ 43.0230, 51.5445,
50.9715

■ 48.2912, 54.1457,
56.3957

Harmonies

Analogous

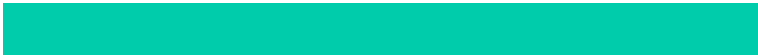
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2536, 41.8668, 9.1466



22.9732, 41.8668, 20.2349



20.9641, 41.8668, 46.1027

Triad

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



22.9732, 41.8668, 20.2349



39.9732, 41.8668, 148.0424



63.0537, 41.8668, 19.7203

Complementary

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



22.9732, 41.8668, 20.2349



25.5749, 12.9510, 11.7432

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.



67.4559, 41.8668, 45.0728



22.9732, 41.8668, 20.2349



52.6014, 41.8668, 129.0332

Square

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



22.9732, 41.8668, 20.2349



29.5080, 41.8668, 130.0664



63.2984, 41.8668, 86.3228



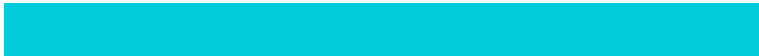
52.2272, 41.8668, 8.9712

Rectangle

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



22.9732, 41.8668, 20.2349



21.9218, 41.8668, 72.6385



63.2984, 41.8668, 86.3228



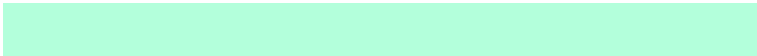
65.4205, 41.8668, 26.2535

Sweetspot

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



22.9743, 41.8685, 20.2359



67.0033, 86.1515, 80.0211



25.2680, 43.3455, 7.0349



13.6912, 18.1210, 16.3622



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.



22.9743, 41.8685, 20.2359



40.1012, 73.2565, 34.7804



29.9787, 43.4625, 60.8440



10.7274, 11.9798, 12.5145



14.8168, 26.9391, 13.2459



0.7380, 1.2901, 0.8189

Inverse Universe

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



25.5749, 12.9510, 11.7432



44.6579, 22.6271, 19.9282



23.5902, 12.2147, 1.1145



10.8389, 10.7190, 12.1351



16.4880, 8.3448, 7.7798



0.8172, 0.4097, 0.5608

Previews

White Background



This preview shows how the XYZ color 22.9732, 41.8668, 20.2349 looks on a white background.

Color Contrast Check

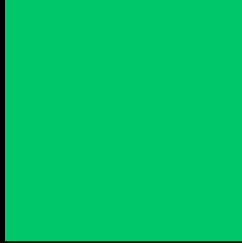
Large Text (above 18pt) WCAG AA × Fail

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 22.9732, 41.8668, 20.2349 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 22.9732, 41.8668, 20.2349

Background



This preview shows how black text looks on a background with the XYZ color 22.9732, 41.8668, 20.2349.



This preview shows how white text looks on a background with the XYZ color 22.9732, 41.8668,

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

22.9732, 41.8668, 20.2349

Protanopia

37.8043, 41.1501, 16.7767

Deuteranopia

41.7663, 40.8876, 21.6104



Tritanopia

31.6644, 41.7741, 62.8942

Trichromacy



Original Color

22.9732, 41.8668, 20.2349



Protanomaly

26.7258, 38.3498, 17.7980



Deuteranomaly

27.9515, 37.4173, 20.7880



Tritanomaly

27.0436, 41.1177, 43.0704

Monochromacy



Original Color

22.9732, 41.8668, 20.2349



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.4254, 26.2611, 21.8671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9732, 41.8668, 20.2349 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 105) }
```

Border

The CSS property to change the border of an element to XYZ 22.9732, 41.8668, 20.2349 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, 105) }
```


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

```
.border{ border-color:rgb(0, 199, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9732, 41.8668, 20.2349 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, 105) }
```

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

```
.background{ background-color: rgb(0, 199,  
105) }
```

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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