

Converting Colors

XYZ(22.4542, 41.3961, 18.3127)

Have a look what the booklet for
XYZ(22.4542, 41.3961, 18.3127)
contains.

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Color

**XYZ(22.3987, 41.2700,
18.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	00C662
RGB	0, 198, 98
RGB Percent	0%, 78%, 38%
CMY	1.0000, 0.2235, 0.6157
CMYK	1.00, 0.00, 0.51, 0.22
HSL	150°, 100%, 39%
HSV	150°, 100%, 78%
XYZ	22.3987, 41.2700, 18.3407
YIQ	127.3980, -85.9080, -73.0760

Conversions

Conversions Part 2

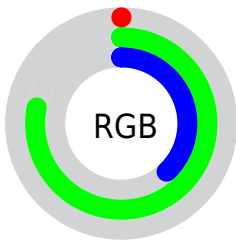
Format	Color
RYB	0, 132, 198
Decimal	50786
CIELab	70.36, -63.42, 38.45
CIELCh	70, 74.168, 148.773
Yxy	41.2700, 0.2731, 0.5032
Android (android.graphics.Color)	4278240866 (0xFF00C662)
YUV	127.3980, -14.4932, -111.7280
Hunter-Lab	64.2417, -50.1867, 28.0422

Details

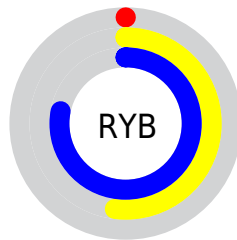
The XYZ color **22.3987, 41.2700, 18.3407** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.5905, 12.9268, 13.2056**, and the grayscale version is **20.3810, 21.4424, 23.3508**.

A 20% lighter version of the original color is **46.5206, 76.4313, 41.1550**, and **10.2065, 19.5594, 6.0337** is the 20% darker color. If you saturate the color by 10%, you get **22.3994, 41.2715, 18.3404**, and if you desaturate by 10%, it is **23.1865, 41.6192, 20.9996**.

Distribution



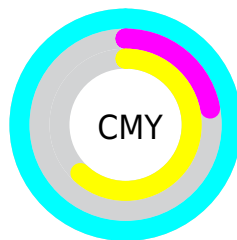
- Red (0%)
- Green (78%)
- Blue (38%)



- Red (0%)
- Yellow (52%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3987, 41.2700, 18.3407 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 22.3987, 41.2700, 18.3407 by changing the saturation by 10% instead.

■ 22.3987, 41.2700,
18.3407

■ 22.3987, 41.2700,
18.3407

257.2148,
351.4478, 255.0847

■ 14.2684, 28.5301,
11.0229

■ 46.8780, 77.0936,
41.4388

■ 8.3905, 18.7257,
5.9679

■ 63.9578, 100.9461,
58.0561

■ 4.3997, 11.4722,
2.7571

■ 84.7514, 129.2716,
78.6104

■ 1.9307, 6.3854,
0.9720

■ 109.6242,
162.4545, 103.5202

■ 0.5946, 3.0808,
0.0000

■ 138.9416,
200.8791, 133.2039

■ 0.0000, 1.1741,
0.0000

173.0689,

■ 0.0000, 0.0404,

244.9300, 168.0803

0.0000

212.3715,
294.9914, 208.5677

■ 0.0000, 0.0000,
0.0000

■ 22.3987, 41.2700,
18.3407

■ 22.3987, 41.2700,
18.3407

■ 22.3994, 41.2715,
18.3404

■ 23.1865, 41.6192,
20.9996

■ 24.3251, 42.1412,
23.9928

■ 25.9195, 42.8908,
27.3363

■ 28.0248, 43.8962,
31.0425

■ 30.6875, 45.1813,
35.1228

■ 33.9490, 46.7672,
39.5883

■ 37.8463, 48.6728,
44.4492

■ 42.4134, 50.9154,
49.7156

■ 47.6819, 53.5111,
55.3970

Harmonies

Analogous

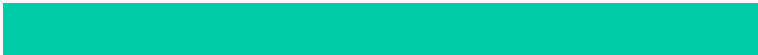
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9881, 41.2700, 8.0364



22.3987, 41.2700, 18.3407



20.1446, 41.2700, 43.5140

Triad

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



22.3987, 41.2700, 18.3407



38.7262, 41.2700, 151.0465



63.5746, 41.2700, 19.7449

Complementary

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



22.3987, 41.2700, 18.3407



25.5905, 12.9268, 13.2056

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.



67.6454, 41.2700, 46.3887



22.3987, 41.2700, 18.3407



51.6284, 41.2700, 133.2279

Square

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



22.3987, 41.2700, 18.3407



28.2833, 41.2700, 130.2835



62.8847, 41.2700, 89.5090



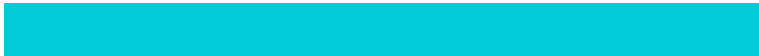
52.6794, 41.2700, 8.5014

Rectangle

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



22.3987, 41.2700, 18.3407



20.9517, 41.2700, 70.1948



62.8847, 41.2700, 89.5090



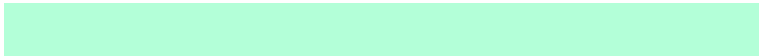
65.8750, 41.2700, 26.6053

Sweetspot

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



22.3997, 41.2717, 18.3416



66.6766, 86.0209, 78.3009



25.7092, 43.2325, 6.9900



13.6139, 18.0901, 15.9556



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.



22.3997, 41.2717, 18.3416



39.5393, 73.0317, 31.8214



30.0118, 44.3165, 58.4263



10.7127, 11.9739, 12.4370



14.6094, 26.8561, 12.1537



0.7283, 1.2863, 0.7681

Inverse Universe

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



25.5905, 12.9268, 13.2056



45.1887, 22.8395, 22.7235



23.3078, 12.0137, 1.1855



10.8536, 10.7248, 12.2124



16.6846, 8.4234, 8.8147



0.8266, 0.4135, 0.6098

Previews

White Background



This preview shows how the XYZ color 22.3987, 41.2700, 18.3407 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 22.3987, 41.2700, 18.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

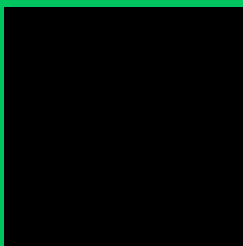
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

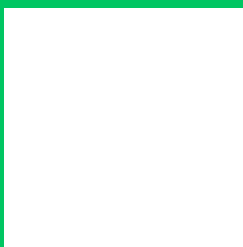
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3987, 41.2700, 18.3407

Background



This preview shows how black text looks on a background with the XYZ color 22.3987, 41.2700, 18.3407.



This preview shows how white text looks on a background with the XYZ color 22.3987, 41.2700,

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

22.3987, 41.2700, 18.3407

Protanopia

37.1051, 40.5385, 15.3202

Deuteranopia

41.2046, 40.3777, 19.5319



Tritanopia

31.4115, 41.3414, 62.2012

Trichromacy



Original Color

22.3987, 41.2700, 18.3407



Protanomaly

26.2014, 37.8135, 16.0430



Deuteranomaly

27.3841, 36.8754, 18.7711



Tritanomaly

26.5506, 40.5703, 41.5535

Monochromacy



Original Color

22.3987, 41.2700, 18.3407



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.9370, 25.7928, 20.5561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3987, 41.2700, 18.3407 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, 198, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 98)  
}
```

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, 198, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 98) }
```

Border

The CSS property to change the border of an element to XYZ 22.3987, 41.2700, 18.3407 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, 198, 98) }
```


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

```
.border{ border-color:rgb(0, 198, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.3987, 41.2700, 18.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 98) }
```

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

```
.background{ background-color: rgb(0, 198,  
98) }
```

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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