

Converting Colors

XYZ(20.4269, 38.3416, 17.9652)

Have a look what the booklet for
XYZ(20.4269, 38.3416, 17.9652)
contains.

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Color

**XYZ(21.0542, 38.5811,
17.8925)**

Conversions

Conversions Part 1

Format	Color
Hex	00C062
RGB	0, 192, 98
RGB Percent	0%, 75%, 38%
CMY	1.0000, 0.2470, 0.6157
CMYK	1.00, 0.00, 0.49, 0.25
HSL	151°, 100%, 38%
HSV	151°, 100%, 75%
XYZ	21.0542, 38.5811, 17.8925
YIQ	123.8760, -84.2580, -69.9380

Conversions

Conversions Part 2

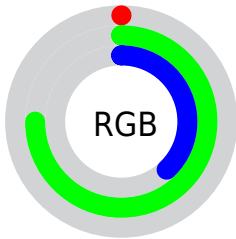
Format	Color
RYB	0, 127, 192
Decimal	49250
CIELab	68.45, -61.46, 36.05
CIELCh	68, 71.256, 149.607
Yxy	38.5811, 0.2716, 0.4976
Android (android.graphics.Color)	4278239330 (0xFF00C062)
YUV	123.8760, -12.7569, -108.6393
Hunter-Lab	62.1137, -48.1942, 26.4005

Details

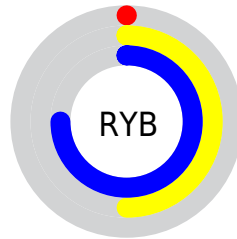
The XYZ color **21.0542, 38.5811, 17.8925** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **23.7598, 12.0153, 11.6581**, and the grayscale version is **19.1792, 20.1780, 21.9739**.

A 20% lighter version of the original color is **44.7276, 73.1699, 40.6200**, and **9.5000, 18.1131, 5.9012** is the 20% darker color. If you saturate the color by 10%, you get **21.0550, 38.5826, 17.8927**, and if you desaturate by 10%, it is **21.7981, 38.9113, 20.3831**.

Distribution



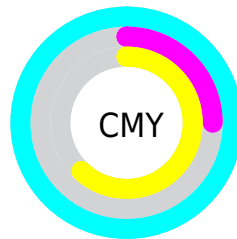
- Red (0%)
- Green (75%)
- Blue (38%)



- Red (0%)
- Yellow (50%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0542, 38.5811, 17.8925 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 21.0542, 38.5811, 17.8925 by changing the saturation by 10% instead.


 21.0542, 38.5811,
17.8925


 21.0542, 38.5811,
17.8925


250.2927,
340.1062, 252.4802


 13.2763, 26.4340,
10.7042


 44.6683, 72.9979,
40.6655


 7.6974, 17.1486,
5.7566


 61.2353, 96.0365,
57.0873


 3.9521, 10.3405,
2.6313


 81.4626, 123.4743,
77.4240

 1.6751, 5.6253,
0.9085

 105.7157,
155.6958, 102.0942

 0.4406, 2.6186,
0.0000

 134.3599,
193.0853, 131.5163

 0.0000, 0.9360,
0.0000

167.7605,

 0.0000, 0.0000,

236.0273, 166.1090

0.0000

206.2830,
284.9061, 206.2908

■ 21.0542, 38.5811,
17.8925

■ 21.0542, 38.5811,
17.8925

■ 21.0550, 38.5826,
17.8927

■ 21.7981, 38.9113,
20.3831

■ 22.8641, 39.4003,
23.1690

■ 24.3516, 40.1001,
26.2643

■ 26.3112, 41.0368,
29.6794

■ 28.7862, 42.2324,
33.4243

■ 31.8145, 43.7063,
37.5082

■ 35.4303, 45.4760,
41.9401

■ 39.6651, 47.5575,
46.7284

■ 44.5479, 49.9657,
51.8813

Harmonies

Analogous

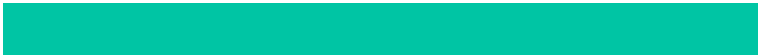
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.0264, 38.5811, 7.9651



21.0542, 38.5811, 17.8925



19.0755, 38.5811, 41.5862

Triad

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



21.0542, 38.5811, 17.8925



36.5225, 38.5811, 138.7909



58.7619, 38.5811, 18.3110

Complementary

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



21.0542, 38.5811, 17.8925



23.7598, 12.0153, 11.6581

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.



62.6962, 38.5811, 42.4332



21.0542, 38.5811, 17.8925



48.3719, 38.5811, 121.6862

Square

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



21.0542, 38.5811, 17.8925



26.8180, 38.5811, 120.8276



58.5596, 38.5811, 81.5768



48.6806, 38.5811, 8.1057

Rectangle

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



21.0542, 38.5811, 17.8925



19.8943, 38.5811, 66.2894



58.5596, 38.5811, 81.5768



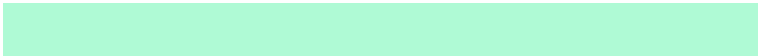
60.9284, 38.5811, 24.5248

Sweetspot

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



21.0552, 38.5827, 17.8934



63.8531, 82.2290, 75.5871



23.6747, 40.1878, 6.5094



13.0774, 17.3365, 15.4698



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0552, 38.5827, 17.8934



38.0213, 69.8558, 31.7469



28.3652, 41.5067, 56.3877



10.1542, 11.3427, 11.8152



14.2067, 25.9767, 12.2473



0.6486, 1.1363, 0.7122

Inverse Universe

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



23.7598, 12.0153, 11.6581



42.9231, 21.7193, 20.4560



21.7392, 11.2070, 1.0176



10.2741, 10.1582, 11.5339



16.0262, 8.1002, 8.0499



0.7273, 0.3639, 0.5312

Previews

White Background



This preview shows how the XYZ color 21.0542, 38.5811, 17.8925 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 21.0542, 38.5811, 17.8925 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 21.0542, 38.5811, 17.8925

Background



This preview shows how black text looks on a background with the XYZ color 21.0542, 38.5811, 17.8925.



This preview shows how white text looks on a background with the XYZ color 21.0542, 38.5811,

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

21.0542, 38.5811, 17.8925

Protanopia

34.7308, 37.9388, 14.9436

Deuteranopia

38.3816, 37.6364, 18.8773



Tritanopia

29.2353, 38.4497, 58.1052

Trichromacy



Original Color

21.0542, 38.5811, 17.8925



Protanomaly

24.4642, 35.1457, 15.6196



Deuteranomaly

25.5753, 34.2407, 18.0931



Tritanomaly

24.8208, 37.8168, 39.2489

Monochromacy



Original Color

21.0542, 38.5811, 17.8925



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.0664, 24.3950, 20.0289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0542, 38.5811, 17.8925 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, 192, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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, 192, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.0542, 38.5811, 17.8925 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, 192, 98) }
```


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

```
.border{ border-color:rgb(0, 192, 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, 192, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 192, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0542, 38.5811, 17.8925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 98) }
```

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

```
.background{ background-color: rgb(0, 192,  
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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