

Converting Colors

XYZ(21.4066, 40.5698, 14.0514)

Have a look what the booklet for
XYZ(21.4066, 40.5698, 14.0514)
contains.

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Color

**XYZ(21.3775, 40.4970,
14.0871)**

Conversions

Conversions Part 1

Format	Color
Hex	00C54F
RGB	0, 197, 79
RGB Percent	0%, 77%, 31%
CMY	1.0000, 0.2274, 0.6902
CMYK	1.00, 0.00, 0.60, 0.23
HSL	144°, 100%, 39%
HSV	144°, 100%, 77%
XYZ	21.3775, 40.4970, 14.0871
YIQ	124.6450, -79.5340, -78.4620

Conversions

Conversions Part 2

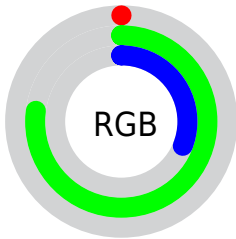
Format	Color
RYB	0, 141, 197
Decimal	50511
CIELab	69.82, -65.85, 46.81
CIELCh	70, 80.796, 144.590
Yxy	40.4970, 0.2814, 0.5331
Android (android.graphics.Color)	4278240591 (0xFF00C54F)
YUV	124.6450, -22.5030, -109.3137
Hunter-Lab	63.6373, -51.4021, 31.4213

Details

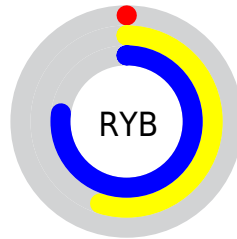
The XYZ color **21.3775, 40.4970, 14.0871** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **26.2971, 13.1790, 18.2985**, and the grayscale version is **19.4670, 20.4808, 22.3036**.

A 20% lighter version of the original color is **45.1804, 75.8953, 34.0978**, and **9.7003, 19.1199, 4.0990** is the 20% darker color. If you saturate the color by 10%, you get **21.3784, 40.4986, 14.0876**, and if you desaturate by 10%, it is **22.1294, 40.8316, 16.5681**.

Distribution



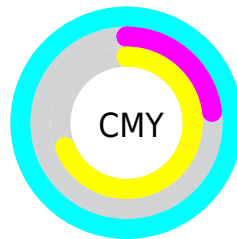
- Red (0%)
- Green (77%)
- Blue (31%)



- Red (0%)
- Yellow (55%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3775, 40.4970, 14.0871 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 21.3775, 40.4970, 14.0871 by changing the saturation by 10% instead.


 21.3775, 40.4970,
14.0871


 21.3775, 40.4970,
14.0871


251.9719,
348.2139, 229.2193


 13.5143, 27.9263,
8.0418

 45.2015, 75.9197,
33.9628


 7.8630, 18.2701,
4.0336


 61.8930, 99.5405,
48.6304


 4.0585, 11.1441,
1.6438


 82.2579, 127.6134,
67.0091

 1.7353, 6.1638,
0.3218

 106.6617,
160.5229, 89.5176

 0.4782, 2.9449,
0.0000

 135.4696,
198.6533, 116.5742

 0.0000, 1.1031,
0.0000

169.0470,

 0.0000, 0.0000,

242.3890, 148.5977

0.0000

207.7593,
292.1144, 186.0066

■ 21.3775, 40.4970,
14.0871

■ 21.3775, 40.4970,
14.0871

■ 21.3784, 40.4986,
14.0876

■ 22.1294, 40.8316,
16.5681

■ 23.2475, 41.3447,
19.4830

■ 24.8372, 42.0912,
22.8558

■ 26.9544, 43.0996,
26.7062

■ 29.6465, 44.3940,
31.0528

■ 32.9555, 45.9958,
35.9129

■ 36.9192, 47.9239,
41.3030

■ 41.5724, 50.1962,
47.2388

■ 46.9471, 52.8287,
53.7353

Harmonies

Analogous

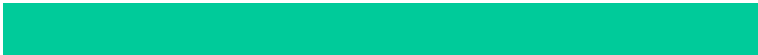
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9211, 40.4970, 5.6280



21.3775, 40.4970, 14.0871



18.4465, 40.4970, 37.6290

Triad

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



21.3775, 40.4970, 14.0871



36.1620, 40.4970, 162.1762



66.2810, 40.4970, 20.3496

Complementary

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



21.3775, 40.4970, 14.0871



26.2971, 13.1790, 18.2985

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.



69.4551, 40.4970, 51.2609



21.3775, 40.4970, 14.0871



49.9690, 40.4970, 147.7825

Square

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



21.3775, 40.4970, 14.0871



25.6490, 40.4970, 133.0499



62.9232, 40.4970, 100.5842



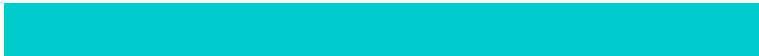
55.0321, 40.4970, 7.5368

Rectangle

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



21.3775, 40.4970, 14.0871



18.8791, 40.4970, 64.9069



62.9232, 40.4970, 100.5842



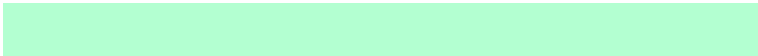
68.4213, 40.4970, 28.2872

Sweetspot

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



21.3785, 40.4987, 14.0880



65.7657, 85.6565, 73.5041



27.4659, 43.7999, 7.0067



13.3997, 18.0044, 14.8272



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.



21.3785, 40.4987, 14.0880



38.1711, 72.4844, 24.6168



27.9332, 43.1205, 48.6046



10.6708, 11.9572, 12.2164



14.0998, 26.6523, 9.4702



0.7033, 1.2762, 0.6361

Inverse Universe

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



26.2971, 13.1790, 18.2985



46.9684, 23.5514, 32.0955



23.1505, 11.9203, 1.7287



10.8961, 10.7418, 12.4360



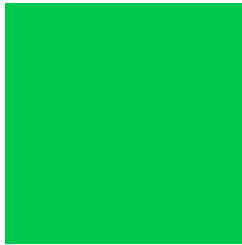
17.3383, 8.6849, 12.2571



0.8561, 0.4253, 0.7652

Previews

White Background



This preview shows how the XYZ color 21.3775, 40.4970, 14.0871 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 21.3775, 40.4970, 14.0871 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 21.3775, 40.4970, 14.0871

Background



This preview shows how black text looks on a background with the XYZ color 21.3775, 40.4970, 14.0871.



This preview shows how white text looks on a background with the XYZ color 21.3775, 40.4970,

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

21.3775, 40.4970, 14.0871

Protanopia

36.0643, 39.5222, 11.6890

Deuteranopia

40.2802, 39.4764, 14.9479



Tritanopia

30.9162, 40.4878, 60.8290

Trichromacy



Original Color

21.3775, 40.4970, 14.0871



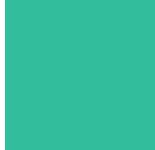
Protanomaly

25.1019, 36.7277, 12.2447



Deuteranomaly

26.2915, 35.8335, 14.1252



Tritanomaly

25.5137, 39.4736, 37.7269

Monochromacy



Original Color

21.3775, 40.4970, 14.0871



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.0816, 24.9214, 18.0974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3775, 40.4970, 14.0871 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 79) }
```

Border

The CSS property to change the border of an element to XYZ 21.3775, 40.4970, 14.0871 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, 79) }
```


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

```
.border{ border-color:rgb(0, 197, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3775, 40.4970, 14.0871 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, 79) }
```

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

```
.background{ background-color: rgb(0, 197,  
79) }
```

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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