

Converting Colors

XYZ(21.9921, 41.1280, 16.1339)

Have a look what the booklet for
XYZ(21.9921, 41.1280, 16.1339)
contains.

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Color

**XYZ(21.9973, 41.1094,
16.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	00C659
RGB	0, 198, 89
RGB Percent	0%, 78%, 35%
CMY	0.9999, 0.2235, 0.6510
CMYK	1.00, 0.00, 0.55, 0.22
HSL	147°, 100%, 39%
HSV	147°, 100%, 78%
XYZ	21.9973, 41.1094, 16.2267
YIQ	126.3720, -83.0190, -75.8750

Conversions

Conversions Part 2

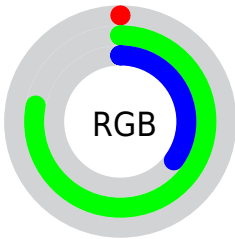
Format	Color
RYB	0, 137, 198
Decimal	50777
CIELab	70.25, -64.80, 42.68
CIELCh	70, 77.586, 146.631
Yxy	41.1094, 0.2773, 0.5182
Android (android.graphics.Color)	4278240857 (0xFF00C659)
YUV	126.3720, -18.4244, -110.8282
Hunter-Lab	64.1166, -50.9638, 29.8765

Details

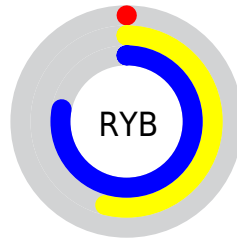
The XYZ color **21.9973, 41.1094, 16.2267** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **26.0509, 13.1110, 15.6299**, and the grayscale version is **20.0412, 21.0849, 22.9614**.

A 20% lighter version of the original color is **45.8232, 76.1524, 37.4831**, and **10.0229, 19.4859, 5.0666** is the 20% darker color. If you saturate the color by 10%, you get **21.9978, 41.1108, 16.2258**, and if you desaturate by 10%, it is **22.7752, 41.4547, 18.8334**.

Distribution



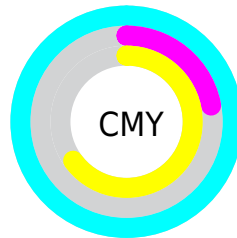
- Red (0%)
- Green (78%)
- Blue (35%)



- Red (0%)
- Yellow (54%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9973, 41.1094, 16.2267 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 21.9973, 41.1094, 16.2267 by changing the saturation by 10% instead.


 21.9973, 41.1094,
16.2267

 21.9973, 41.1094,
16.2267


255.1648,
350.7776, 242.5669


 13.9715, 28.4046,
9.5286


 46.2204, 76.8499,
37.7636

 8.1824, 18.6309,
4.9861


 63.1485, 100.6544,
53.4395


 4.2647, 11.4039,
2.1805


 83.7746, 128.9276,
72.9450

 1.8529, 6.3392,
0.6631

 108.4643,
162.0539, 96.6988

 0.5493, 3.0524,
0.0000

 137.5828,
200.4176, 125.1193

 0.0000, 1.1591,
0.0000

171.4954,

 0.0000, 0.0280,

244.4032, 158.6252

0.0000

210.5677,
294.3951, 197.6349

■ 0.0000, 0.0000,
0.0000

■ 21.9973, 41.1094,
16.2267

■ 21.9973, 41.1094,
16.2267

■ 21.9978, 41.1108,
16.2258

■ 22.7752, 41.4547,
18.8334

■ 23.9135, 41.9765,
21.8245

■ 25.5178, 42.7301,
25.2196

■ 27.6438, 43.7438,
29.0344

■ 30.3387, 45.0418,
33.2834

■ 33.6442, 46.6454,
37.9805

■ 37.5981, 48.5736,
43.1389

■ 42.2349, 50.8441,
48.7710

■ 47.5864, 53.4730,
54.8890

Harmonies

Analogous

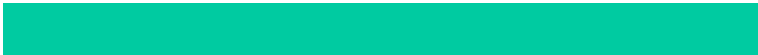
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1020, 41.1094, 6.8015



21.9973, 41.1094, 16.2267



19.3871, 41.1094, 40.7685

Triad

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



21.9973, 41.1094, 16.2267



37.6531, 41.1094, 157.4479



65.2738, 41.1094, 20.1295

Complementary

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



21.9973, 41.1094, 16.2267



26.0509, 13.1110, 15.6299

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.



68.9343, 41.1094, 49.0064



21.9973, 41.1094, 16.2267



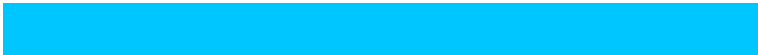
51.0959, 41.1094, 141.1362

Square

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



21.9973, 41.1094, 16.2267



27.1034, 41.1094, 132.4661



63.2704, 41.1094, 95.4121



54.1321, 41.1094, 8.0427

Rectangle

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



21.9973, 41.1094, 16.2267



20.0085, 41.1094, 67.9549



63.2704, 41.1094, 95.4121



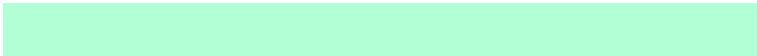
67.5119, 41.1094, 27.5552

Sweetspot

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



21.9983, 41.1111, 16.2276



66.2305, 85.8424, 75.9520



26.9035, 43.8481, 7.0460



13.5088, 18.0481, 15.4020



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.



21.9983, 41.1111, 16.2276



38.8323, 72.7489, 28.0983



28.9313, 43.8843, 52.7362



10.6923, 11.9658, 12.3299



14.3470, 26.7512, 10.7720



0.7157, 1.2812, 0.7016

Inverse Universe

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



26.0509, 13.1110, 15.6299



46.0022, 23.1649, 27.0076



23.3638, 12.0361, 1.4798



10.8741, 10.7330, 12.3203



16.9842, 8.5433, 10.3928



0.8403, 0.4190, 0.6824

Previews

White Background



This preview shows how the XYZ color 21.9973, 41.1094, 16.2267 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 21.9973, 41.1094, 16.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

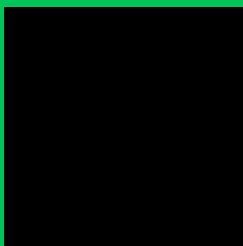
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

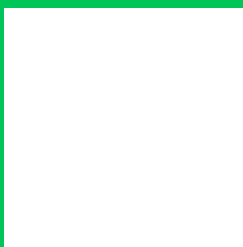
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9973, 41.1094, 16.2267

Background



This preview shows how black text looks on a background with the XYZ color 21.9973, 41.1094, 16.2267.



This preview shows how white text looks on a background with the XYZ color 21.9973, 41.1094,

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

21.9973, 41.1094, 16.2267

Protanopia

36.9971, 40.5238, 13.4613

Deuteranopia

41.0339, 40.3416, 17.1793



Tritanopia

31.1621, 40.9126, 61.5129

Trichromacy



Original Color

21.9973, 41.1094, 16.2267



Protanomaly

25.8309, 37.6653, 14.0923



Deuteranomaly

27.1066, 36.7824, 16.4975



Tritanomaly

26.0252, 40.0179, 39.6103

Monochromacy



Original Color

21.9973, 41.1094, 16.2267



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.5171, 25.3542, 19.5934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9973, 41.1094, 16.2267 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.9973, 41.1094, 16.2267 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, 89) }
```


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

```
.border{ border-color:rgb(0, 198, 89) }
```

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, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9973, 41.1094, 16.2267 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, 89) }
```

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

```
.background{ background-color: rgb(0, 198,  
89) }
```

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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