

Converting Colors

XYZ(21.0440, 41.0583, 10.1890)

Have a look what the booklet for
XYZ(21.0440, 41.0583, 10.1890)
contains.

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Color

**XYZ(21.0660, 41.1039,
10.1917)**

Conversions

Conversions Part 1

Format	Color
Hex	00C735
RGB	0, 199, 53
RGB Percent	0%, 78%, 21%
CMY	1.0000, 0.2196, 0.7921
CMYK	1.00, 0.00, 0.73, 0.22
HSL	136°, 100%, 39%
HSV	136°, 100%, 78%
XYZ	21.0660, 41.1039, 10.1917
YIQ	122.8550, -71.7380, -87.5940

Conversions

Conversions Part 2

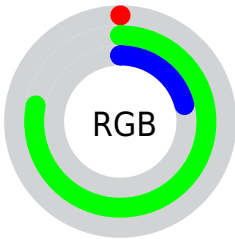
Format	Color
RYB	0, 157, 199
Decimal	50997
CIELab	70.25, -69.17, 57.90
CIElCh	70, 90.205, 140.072
Yxy	41.1039, 0.2911, 0.5680
Android (android.graphics.Color)	4278241077 (0xFF00C735)
YUV	122.8550, -34.4385, -107.7438
Hunter-Lab	64.1123, -53.5451, 35.4535

Details

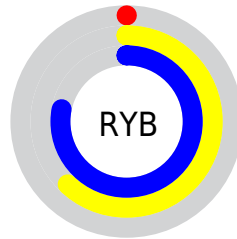
The XYZ color **21.0660, 41.1039, 10.1917** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **28.7423, 14.2179, 28.4229**, and the grayscale version is **18.9066, 19.8912, 21.6616**.

A 20% lighter version of the original color is **43.9463, 75.4275, 26.4301**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **21.0670, 41.1056, 10.1926**, and if you desaturate by 10%, it is **21.7421, 41.4087, 12.2526**.

Distribution



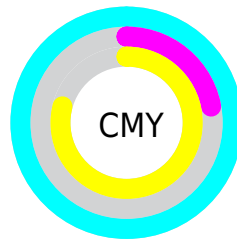
- Red (0%)
- Green (78%)
- Blue (21%)



- Red (0%)
- Yellow (62%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0660, 41.1039, 10.1917 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 21.0660, 41.1039, 10.1917 by changing the saturation by 10% instead.

■ 21.0660, 41.1039,
10.1917

■ 21.0660, 41.1039,
10.1917

250.3541,
350.7547, 202.5691

■ 13.2850, 28.4003,
5.4190

■ 44.6878, 76.8416,
26.7689

■ 7.7034, 18.6276,
2.4321

■ 61.2593, 100.6445,
39.4104

■ 3.9560, 11.4015,
0.8039

■ 81.4917, 128.9158,
55.5120

■ 1.6773, 6.3376,
0.0000

■ 105.7503,
162.0402, 75.4921

■ 0.4420, 3.0514,
0.0000

■ 134.4005,
200.4018, 99.7694

■ 0.0000, 1.1586,
0.0000

■ 167.8076,

■ 0.0000, 0.0275,

244.3852, 128.7623

0.0000

206.3370,
294.3747, 162.8893

■ 0.0000, 0.0000,
0.0000

■ 21.0660, 41.1039,
10.1917

■ 21.0660, 41.1039,
10.1917

■ 21.0670, 41.1056,
10.1926

■ 21.7421, 41.4087,
12.2526

■ 22.8224, 41.9080,
14.9098

■ 24.4183, 42.6593,
18.2087

■ 26.5905, 43.6933,
22.1882

■ 29.3910, 45.0360,
26.8839

■ 32.8656, 46.7103,
32.3290

■ 37.0559, 48.7370,
38.5544

■ 41.9998, 51.1351,
45.5895

■ 47.7327, 53.9222,
53.4619

Harmonies

Analogous

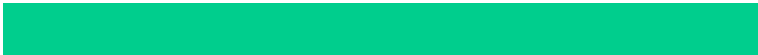
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0982, 41.1039, 3.5642



21.0660, 41.1039, 10.1917



17.2171, 41.1039, 32.1300

Triad

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



21.0660, 41.1039, 10.1917



34.3670, 41.1039, 182.4670



72.3297, 41.1039, 22.2185

Complementary

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



21.0660, 41.1039, 10.1917



28.7423, 14.2179, 28.4229

Split Complementary

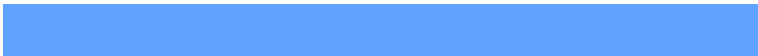
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3096, 41.1039, 60.3177



21.0660, 41.1039, 10.1917



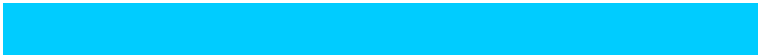
49.6634, 41.1039, 173.1196

Square

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



21.0660, 41.1039, 10.1917



23.5103, 41.1039, 140.7707



65.1858, 41.1039, 120.0236



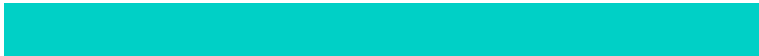
60.3110, 41.1039, 6.8466

Rectangle

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



21.0660, 41.1039, 10.1917



17.2243, 41.1039, 60.5630



65.1858, 41.1039, 120.0236



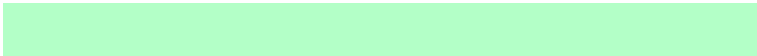
74.2906, 41.1039, 31.9693

Sweetspot

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



21.0670, 41.1056, 10.1926



64.5295, 85.1620, 66.9943



32.8648, 47.2619, 7.3903



13.1117, 17.8892, 13.3106



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.



21.0670, 41.1056, 10.1926



36.8010, 71.9364, 17.4016



25.8693, 43.0265, 35.4812



10.6116, 11.9335, 11.9046



13.5774, 26.4433, 6.7193



0.6739, 1.2645, 0.4816

Inverse Universe

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



28.7423, 14.2179, 28.4229



50.2182, 24.8513, 49.2085



24.1245, 12.3708, 4.1058



10.9578, 10.7665, 12.7613



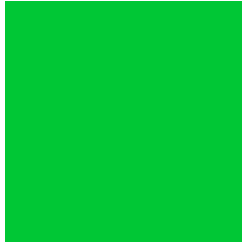
18.5191, 9.1572, 18.4753



0.9057, 0.4451, 1.0267

Previews

White Background



This preview shows how the XYZ color 21.0660, 41.1039, 10.1917 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 21.0660, 41.1039, 10.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

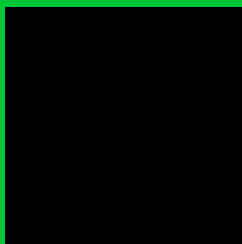
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0660, 41.1039, 10.1917

Background



This preview shows how black text looks on a background with the XYZ color 21.0660, 41.1039, 10.1917.



This preview shows how white text looks on a background with the XYZ color 21.0660, 41.1039,

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

21.0660, 41.1039, 10.1917

Protanopia

36.5419, 40.3994, 8.4567

Deuteranopia

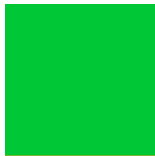
41.0848, 40.2430, 10.9125



Tritanopia

31.5812, 41.1287, 61.5325

Trichromacy



Original Color

21.0660, 41.1039, 10.1917



Protanomaly

25.1043, 37.4071, 8.8029



Deuteranomaly

26.1911, 36.1586, 10.1563



Tritanomaly

25.3134, 40.0983, 34.0093

Monochromacy



Original Color

21.0660, 41.1039, 10.1917



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.4131, 24.6348, 15.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0660, 41.1039, 10.1917 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 53) }
```

Border

The CSS property to change the border of an element to XYZ 21.0660, 41.1039, 10.1917 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, 53) }
```


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

```
.border{ border-color:rgb(0, 199, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0660, 41.1039, 10.1917 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, 53) }
```

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

```
.background{ background-color: rgb(0, 199,  
53) }
```

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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