

Converting Colors

XYZ(21.4200, 40.7494, 13.5612)

Have a look what the booklet for
XYZ(21.4200, 40.7494, 13.5612)
contains.

XYZ(21.4986, 40.9100, 13.6008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4986, 40.9100,
13.6008)**

Conversions

Conversions Part 1

Format	Color
Hex	00C64C
RGB	0, 198, 76
RGB Percent	0%, 78%, 30%
CMY	1.0000, 0.2235, 0.7019
CMYK	1.00, 0.00, 0.62, 0.22
HSL	143°, 100%, 39%
HSV	143°, 100%, 78%
XYZ	21.4986, 40.9100, 13.6008
YIQ	124.8900, -78.8460, -79.9180

Conversions

Conversions Part 2

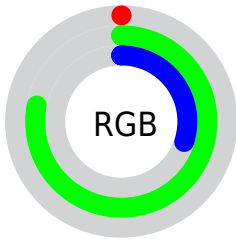
Format	Color
RYB	0, 143, 198
Decimal	50764
CIELab	70.11, -66.53, 48.49
CIELCh	70, 82.329, 143.912
Yxy	40.9100, 0.2828, 0.5382
Android (android.graphics.Color)	4278240844 (0xFF00C64C)
YUV	124.8900, -24.1028, -109.5285
Hunter-Lab	63.9609, -51.9340, 32.1651

Details

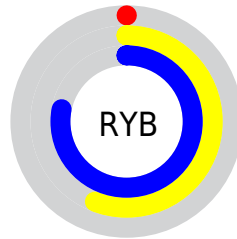
The XYZ color **21.4986, 40.9100, 13.6008** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **26.8029, 13.4116, 19.5900**, and the grayscale version is **19.5547, 20.5731, 22.4041**.

A 20% lighter version of the original color is **45.0893, 75.8717, 33.0371**, and **9.7993, 19.3965, 3.8892** is the 20% darker color. If you saturate the color by 10%, you get **21.4994, 40.9116, 13.6012**, and if you desaturate by 10%, it is **22.2494, 41.2444, 16.0652**.

Distribution



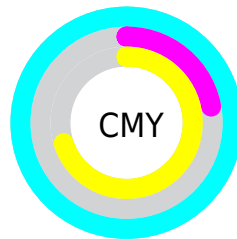
- Red (0%)
- Green (78%)
- Blue (30%)



- Red (0%)
- Yellow (56%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4986, 40.9100, 13.6008 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 21.4986, 40.9100, 13.6008 by changing the saturation by 10% instead.


 21.4986, 40.9100,
13.6008


 21.4986, 40.9100,
13.6008


252.5984,
349.9443, 226.0745


 13.6035, 28.2488,
7.7080


 45.4009, 76.5473,
33.0859

 7.9253, 18.5133,
3.8236


 62.1389, 100.2921,
47.5152


 4.0986, 11.3191,
1.5291


 82.5551, 128.5002,
65.6271

 1.7580, 6.2819,
0.2394

 107.0150,
161.5560, 87.8402

 0.4922, 3.0172,
0.0000

 135.8839,
199.8440, 114.5729

 0.0000, 1.1407,
0.0000

169.5272,

 0.0000, 0.0125,

243.7484, 146.2438

0.0000

208.3103,
293.6537, 183.2715

■ 0.0000, 0.0000,
0.0000

■ 21.4986, 40.9100,
13.6008

■ 21.4986, 40.9100,
13.6008

■ 21.4994, 40.9116,
13.6012

■ 22.2494, 41.2444,
16.0652

■ 23.3746, 41.7610,
18.9881

■ 24.9811, 42.5154,
22.3960

■ 27.1258, 43.5366,
26.3105

■ 29.8570, 44.8491,
30.7520

■ 33.2174, 46.4746,
35.7396

■ 37.2458, 48.4326,
41.2915

■ 41.9774, 50.7410,
47.4249

■ 47.4452, 53.4164,
54.1563

Harmonies

Analogous

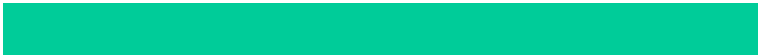
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3108, 40.9100, 5.3400



21.4986, 40.9100, 13.6008



18.4130, 40.9100, 37.1384

Triad

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



21.4986, 40.9100, 13.6008



36.2037, 40.9100, 166.3218



67.6570, 40.9100, 20.7536

Complementary

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



21.4986, 40.9100, 13.6008



26.8029, 13.4116, 19.5900

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.



70.7032, 40.9100, 52.8740



21.4986, 40.9100, 13.6008



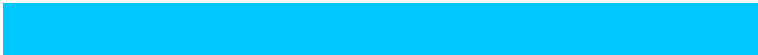
50.3424, 40.9100, 152.4260

Square

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



21.4986, 40.9100, 13.6008



25.5478, 40.9100, 135.2677



63.7645, 40.9100, 103.9997



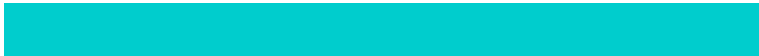
56.2020, 40.9100, 7.4877

Rectangle

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



21.4986, 40.9100, 13.6008



18.7880, 40.9100, 64.8411



63.7645, 40.9100, 103.9997



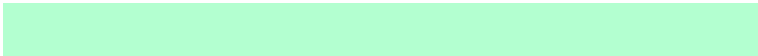
69.7939, 40.9100, 28.9976

Sweetspot

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



21.4996, 40.9117, 13.6017



65.6034, 85.5916, 72.6495



28.2357, 44.5350, 7.1081



13.3617, 17.9892, 14.6271



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.



21.4996, 40.9117, 13.6017



37.9588, 72.3995, 23.4989



27.9234, 43.4812, 47.4289



10.6631, 11.9541, 12.1763



14.0200, 26.6204, 9.0496



0.6991, 1.2746, 0.6141

Inverse Universe

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



26.8029, 13.4116, 19.5900



47.3363, 23.6985, 34.0324



23.4454, 12.0686, 1.9099



10.9039, 10.7449, 12.4772



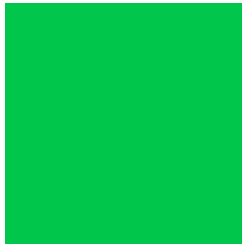
17.4726, 8.7386, 12.9646



0.8619, 0.4276, 0.7960

Previews

White Background



This preview shows how the XYZ color 21.4986, 40.9100, 13.6008 looks on a white background.

Color Contrast Check

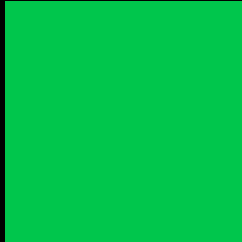
Large Text (above 18pt) WCAG AA × Fail

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 21.4986, 40.9100, 13.6008 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 21.4986, 40.9100, 13.6008

Background



This preview shows how black text looks on a background with the XYZ color 21.4986, 40.9100, 13.6008.



This preview shows how white text looks on a background with the XYZ color 21.4986, 40.9100,

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

21.4986, 40.9100, 13.6008

Protanopia

36.4044, 39.9856, 11.2681

Deuteranopia

40.9351, 40.0841, 14.5963



Tritanopia

31.3260, 40.9971, 61.5205

Trichromacy



Original Color

21.4986, 40.9100, 13.6008



Protanomaly

25.2043, 37.0905, 11.7920



Deuteranomaly

26.5642, 36.2710, 13.7845



Tritanomaly

25.7296, 39.9053, 37.7989

Monochromacy



Original Color

21.4986, 40.9100, 13.6008



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.1903, 25.2235, 17.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4986, 40.9100, 13.6008 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 76) }
```

Border

The CSS property to change the border of an element to XYZ 21.4986, 40.9100, 13.6008 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, 76) }
```


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

```
.border{ border-color:rgb(0, 198, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4986, 40.9100, 13.6008 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, 76) }
```

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

```
.background{ background-color: rgb(0, 198,  
76) }
```

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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