

Converting Colors

XYZ(21.6712, 41.0502, 13.9354)

Have a look what the booklet for
XYZ(21.6712, 41.0502, 13.9354)
contains.

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Color

**XYZ(21.6443, 40.9769,
13.9763)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 06C64E |
| RGB | 6, 198, 78 |
| RGB Percent | 2%, 78%, 31% |
| CMY | 0.9765, 0.2235, 0.6941 |
| CMYK | 0.97, 0.00, 0.61, 0.22 |
| HSL | 142°, 94%, 40% |
| HSV | 142°, 97%, 78% |
| XYZ | 21.6443, 40.9769, 13.9763 |
| YIQ | 126.9120, -75.9120, -78.0240 |

Conversions

Conversions Part 2

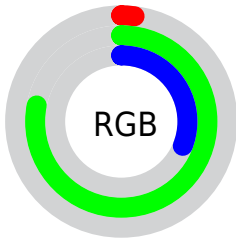
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 6, 146, 198 |
| Decimal | 443982 |
| CIELab | 70.16, -66.05, 47.66 |
| CIELCh | 70, 81.449, 144.184 |
| Yxy | 40.9769, 0.2826, 0.5350 |
| Android (android.graphics.Color) | 4278634062 (0xFF06C64E) |
| YUV | 126.9120, -24.1136, -106.0398 |
| Hunter-Lab | 64.0132, -51.6682, 31.8642 |

Details

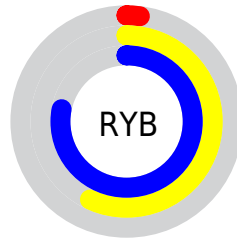
The XYZ color **21.6443, 40.9769, 13.9763** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.1209, 13.6430, 20.9440**, and the grayscale version is **20.2425, 21.2967, 23.1921**.

A 20% lighter version of the original color is **45.3362, 75.9835, 33.7495**, and **9.8277, 19.4079, 4.0387** is the 20% darker color. If you saturate the color by 10%, you get **21.4394, 40.8875, 13.2851**, and if you desaturate by 10%, it is **22.4775, 41.3514, 16.5546**.

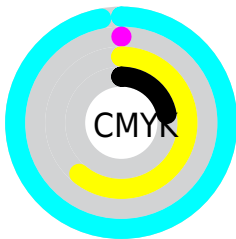
Distribution



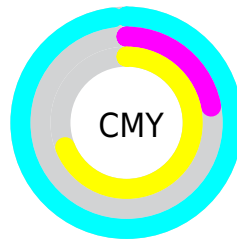
- Red (2%)
- Green (78%)
- Blue (31%)



- Red (2%)
- Yellow (57%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)



- Cyan (98%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6443, 40.9769, 13.9763 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 21.6443, 40.9769, 13.9763 by changing the saturation by 10% instead.

■ 21.6443, 40.9769,
13.9763

■ 21.6443, 40.9769,
13.9763

253.3505,
350.2241, 228.5066

■ 13.7109, 28.3010,
7.9656

■ 45.6406, 76.6488,
33.7635

■ 8.0002, 18.5527,
3.9855

■ 62.4343, 100.4137,
48.3771

■ 4.1469, 11.3475,
1.6174

■ 82.9121, 128.6436,
66.6954

■ 1.7856, 6.3011,
0.3032

■ 107.4394,
161.7231, 89.1370

■ 0.5090, 3.0290,
0.0000

■ 136.3815,
200.0365, 116.1203

■ 0.0000, 1.1469,
0.0000

170.1038,

■ 0.0000, 0.0177,

243.9682, 148.0640

0.0000

208.9717,
293.9026, 185.3866

■ 0.0000, 0.0000,
0.0000

■ 21.6443, 40.9769,
13.9763

■ 21.6443, 40.9769,
13.9763

■ 21.4394, 40.8875,
13.2851

■ 22.4775, 41.3514,
16.5546

■ 23.7397, 41.9358,
19.6105

■ 25.5037, 42.7682,
23.1696

■ 27.8236, 43.8761,
27.2540

■ 30.7460, 45.2832,
31.8846

■ 34.3125, 47.0105,
37.0809

■ 38.5606, 49.0770,
42.8616

■ 43.5252, 51.5001,
49.2444

■ 49.2384, 54.2964,
56.2462

Harmonies

Analogous

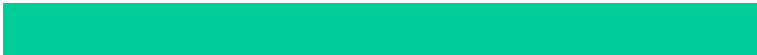
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3645, 40.9769, 5.5715



21.6443, 40.9769, 13.9763



18.6118, 40.9769, 37.5852

Triad

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



21.6443, 40.9769, 13.9763



36.4077, 40.9769, 164.6936



67.3123, 40.9769, 20.7996

Complementary

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



21.6443, 40.9769, 13.9763



27.1209, 13.6430, 20.9440

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.



70.4074, 40.9769, 52.4750



21.6443, 40.9769, 13.9763



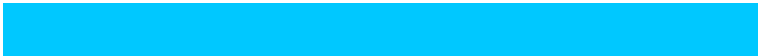
50.4164, 40.9769, 150.6327

Square

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



21.6443, 40.9769, 13.9763



25.7939, 40.9769, 134.5074



63.6412, 40.9769, 102.8163



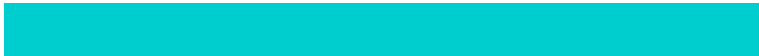
55.9498, 40.9769, 7.6437

Rectangle

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



21.6443, 40.9769, 13.9763



19.0114, 40.9769, 65.1234



63.6412, 40.9769, 102.8163



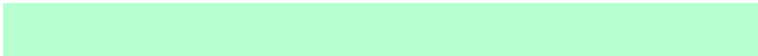
69.4483, 40.9769, 28.9421

Sweetspot

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



21.6453, 40.9786, 13.9772



66.3093, 85.9424, 73.2733



29.0703, 44.9614, 7.3187



13.4917, 18.0541, 14.7314



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.



21.6453, 40.9786, 13.9772



37.8541, 72.3576, 22.9472



27.7552, 43.4226, 46.1518



10.6592, 11.9526, 12.1557



13.9804, 26.6045, 8.8415



0.6970, 1.2737, 0.6031

Inverse Universe

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



27.1209, 13.6430, 20.9440



47.5306, 23.7763, 35.0561



23.6101, 12.2387, 2.4564



10.9079, 10.7466, 12.4984



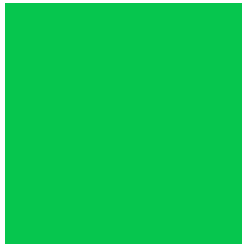
17.5435, 8.7670, 13.3380



0.8650, 0.4288, 0.8121

Previews

White Background



This preview shows how the XYZ color 21.6443, 40.9769, 13.9763 looks on a white background.

Color Contrast Check

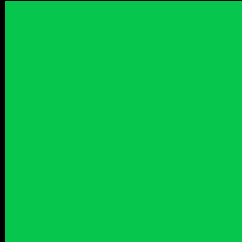
Large Text (above 18pt) WCAG AA × Fail

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 21.6443, 40.9769, 13.9763 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 21.6443, 40.9769, 13.9763

Background



This preview shows how black text looks on a background with the XYZ color 21.6443, 40.9769, 13.9763.



This preview shows how white text looks on a background with the XYZ color 21.6443, 40.9769,

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

21.6443, 40.9769, 13.9763

Protanopia

36.4665, 40.0105, 11.5952

Deuteranopia

40.9763, 40.1006, 14.8130



Tritanopia

31.3260, 40.9971, 61.5205

Trichromacy



Original Color

21.6443, 40.9769, 13.9763



Protanomaly

25.5499, 37.2611, 12.1488



Deuteranomaly

26.9219, 36.4509, 14.0043



Tritanomaly

25.8304, 39.9573, 37.8036

Monochromacy



Original Color

21.6443, 40.9769, 13.9763



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.7188, 25.7256, 18.4997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6443, 40.9769, 13.9763 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(6, 198, 78)` looks like.

```
.text, #text, p{  
    color:rgb(6, 198, 78)  
}
```

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(6, 198, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 198, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.6443, 40.9769, 13.9763 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(6, 198, 78) }
```


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

```
.border{ border-color:rgb(6, 198, 78) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(6, 198, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 198, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 198, 78);  
box-shadow:4px 4px 4px 4px rgb(6, 198, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6443, 40.9769, 13.9763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 198, 78) }
```

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

```
.background{ background-color: rgb(6, 198,  
78) }
```

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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