

Converting Colors

XYZ(21.0367, 40.6093, 11.5258)

Have a look what the booklet for
XYZ(21.0367, 40.6093, 11.5258)
contains.

XYZ(21.1195, 40.7583, 11.6045)	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(21.1195, 40.7583,
11.6045)**

Conversions

Conversions Part 1

Format	Color
Hex	00C640
RGB	0, 198, 64
RGB Percent	0%, 78%, 25%
CMY	1.0000, 0.2235, 0.7490
CMYK	1.00, 0.00, 0.68, 0.22
HSL	139°, 100%, 39%
HSV	139°, 100%, 78%
XYZ	21.1195, 40.7583, 11.6045
YIQ	123.5220, -74.9940, -83.6500

Conversions

Conversions Part 2

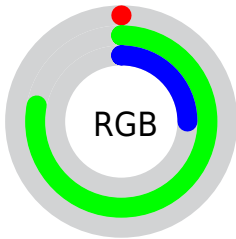
Format	Color
RYB	0, 150, 198
Decimal	50752
CIELab	70.01, -67.87, 53.46
CIELCh	70, 86.400, 141.773
Yxy	40.7583, 0.2874, 0.5547
Android (android.graphics.Color)	4278240832 (0xFF00C640)
YUV	123.5220, -29.3443, -108.3288
Hunter-Lab	63.8422, -52.6747, 33.9125

Details

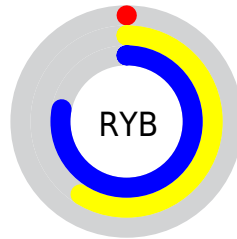
The XYZ color **21.1195, 40.7583, 11.6045** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **27.5931, 13.7277, 23.7516**, and the grayscale version is **19.1128, 20.1081, 21.8977**.

A 20% lighter version of the original color is **44.3968, 75.5947, 29.3908**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **21.1203, 40.7599, 11.6048**, and if you desaturate by 10%, it is **21.8333, 41.0780, 13.8744**.

Distribution



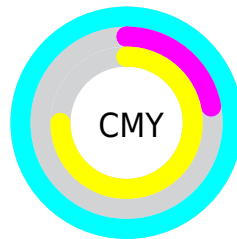
- Red (0%)
- Green (78%)
- Blue (25%)



- Red (0%)
- Yellow (59%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1195, 40.7583, 11.6045 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 21.1195, 40.7583, 11.6045 by changing the saturation by 10% instead.

■ 21.1195, 40.7583,
11.6045

■ 21.1195, 40.7583,
11.6045

250.6326,
349.3094, 212.6532

■ 13.3243, 28.1303,
6.3557

■ 44.7761, 76.3169,
29.4262

■ 7.7308, 18.4239,
2.9903

■ 61.3683, 100.0162,
42.8363

■ 3.9735, 11.2547,
1.0897

■ 81.6235, 128.1747,
59.8039

■ 1.6872, 6.2384,
0.0000

■ 105.9071,
161.1768, 80.7475

■ 0.4482, 2.9906,
0.0000

■ 134.5844,
199.4070, 106.0857

■ 0.0000, 1.1268,
0.0000

168.0209,

■ 0.0000, 0.0007,

243.2495, 136.2370

0.0000

206.5818,
293.0889, 171.6200

■ 0.0000, 0.0000,
0.0000

■ 21.1195, 40.7583,
11.6045

■ 21.1195, 40.7583,
11.6045

■ 21.1203, 40.7599,
11.6048

■ 21.8333, 41.0780,
13.8744

■ 22.9347, 41.5850,
16.6714

■ 24.5319, 42.3357,
20.0301

■ 26.6832, 43.3595,
23.9798

■ 29.4385, 44.6817,
28.5477

■ 32.8415, 46.3242,
33.7592

■ 36.9320, 48.3070,
39.6382

■ 41.7464, 50.6485,
46.2075

■ 47.3186, 53.3657,
53.4885

Harmonies

Analogous

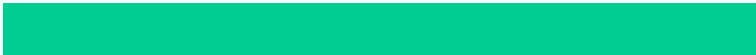
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.5360, 40.7583, 4.2890



21.1195, 40.7583, 11.6045



17.6402, 40.7583, 34.1784

Triad

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



21.1195, 40.7583, 11.6045



34.9915, 40.7583, 173.9364



69.7304, 40.7583, 21.3755

Complementary

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



21.1195, 40.7583, 11.6045



27.5931, 13.7277, 23.7516

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.



72.2060, 40.7583, 56.4303



21.1195, 40.7583, 11.6045



49.6802, 40.7583, 162.4277

Square

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



21.1195, 40.7583, 11.6045



24.2801, 40.7583, 137.4655



64.1510, 40.7583, 111.7649



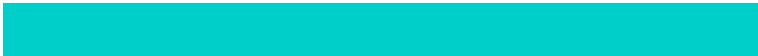
58.0332, 40.7583, 7.0772

Rectangle

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



21.1195, 40.7583, 11.6045



17.8130, 40.7583, 62.1626



64.1510, 40.7583, 111.7649



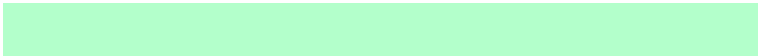
71.7660, 40.7583, 30.3583

Sweetspot

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



21.1205, 40.7600, 11.6054



65.0416, 85.3669, 69.6912



30.2356, 45.5659, 7.2017



13.2306, 17.9368, 13.9367



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.



21.1205, 40.7600, 11.6054



37.2991, 72.1357, 20.0250



26.6902, 42.9879, 40.9354



10.6364, 11.9435, 12.0356



13.7696, 26.5202, 7.7313



0.6854, 1.2691, 0.5421

Inverse Universe

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



27.5931, 13.7277, 23.7516



48.7420, 24.2608, 41.4348



23.6128, 12.1356, 2.7915



10.9316, 10.7560, 12.6232



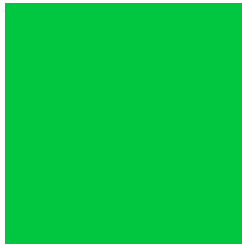
17.9843, 8.9433, 15.6588



0.8837, 0.4363, 0.9106

Previews

White Background



This preview shows how the XYZ color 21.1195, 40.7583, 11.6045 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 21.1195, 40.7583, 11.6045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

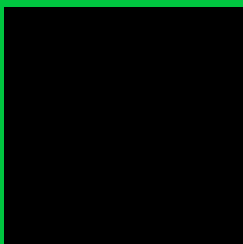
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1195, 40.7583, 11.6045

Background



This preview shows how black text looks on a background with the XYZ color 21.1195, 40.7583, 11.6045.



This preview shows how white text looks on a background with the XYZ color 21.1195, 40.7583,

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

21.1195, 40.7583, 11.6045

Protanopia

36.3237, 39.9821, 9.5442

Deuteranopia

40.6277, 39.7132, 12.3616



Tritanopia

31.0826, 40.5735, 60.8368

Trichromacy



Original Color

21.1195, 40.7583, 11.6045



Protanomaly

24.9958, 37.0232, 9.9665



Deuteranomaly

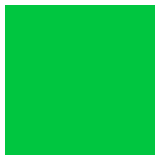
26.1373, 35.8083, 11.6650



Tritanomaly

25.3646, 39.7651, 35.6167

Monochromacy



Original Color

21.1195, 40.7583, 11.6045



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.6893, 24.7548, 16.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1195, 40.7583, 11.6045 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 64) }
```

Border

The CSS property to change the border of an element to XYZ 21.1195, 40.7583, 11.6045 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, 64) }
```


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

```
.border{ border-color:rgb(0, 198, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1195, 40.7583, 11.6045 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, 64) }
```

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

```
.background{ background-color: rgb(0, 198,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor