

Converting Colors

XYZ(20.9540, 40.9646, 9.5594)

Have a look what the booklet for
XYZ(20.9540, 40.9646, 9.5594)
contains.

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Color

**XYZ(21.0195, 41.0925,
9.6201)**

Conversions

Conversions Part 1

Format	Color
Hex	05C730
RGB	5, 199, 48
RGB Percent	2%, 78%, 19%
CMY	0.9804, 0.2196, 0.8117
CMYK	0.97, 0.00, 0.76, 0.22
HSL	133°, 95%, 40%
HSV	133°, 97%, 78%
XYZ	21.0195, 41.0925, 9.6201
YIQ	123.7800, -67.1530, -88.0890

Conversions

Conversions Part 2

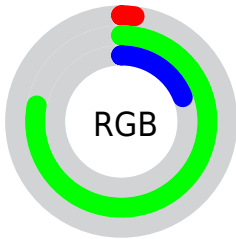
Format	Color
RYB	5, 164, 199
Decimal	378672
CIELab	70.24, -69.36, 59.61
CIELCh	70, 91.459, 139.323
Yxy	41.0925, 0.2930, 0.5729
Android (android.graphics.Color)	4278568752 (0xFF05C730)
YUV	123.7800, -37.3595, -104.1701
Hunter-Lab	64.1034, -53.6509, 35.9747

Details

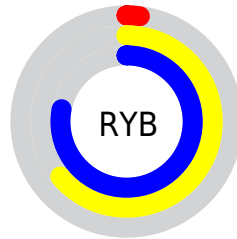
The XYZ color **21.0195, 41.0925, 9.6201** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.6091, 14.6515, 32.7197**, and the grayscale version is **19.2224, 20.2234, 22.0233**.

A 20% lighter version of the original color is **43.8522, 75.4030, 25.3397**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.8810, 41.0312, 9.2133**, and if you desaturate by 10%, it is **21.7338, 41.4183, 11.6245**.

Distribution



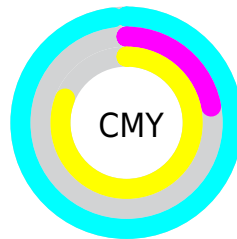
- Red (2%)
- Green (78%)
- Blue (19%)



- Red (2%)
- Yellow (64%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (98%)
- Magenta (22%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0195, 41.0925, 9.6201 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 21.0195, 41.0925, 9.6201 by changing the saturation by 10% instead.


 21.0195, 41.0925,
9.6201


 21.0195, 41.0925,
9.6201


250.1119,
350.7071, 198.3240


 13.2508, 28.3914,
5.0455


 44.6110, 76.8243,
25.6750


 7.6797, 18.6209,
2.2148

 61.1645, 100.6237,
37.9924


 3.9407, 11.3967,
0.6829


 81.3771, 128.8914,
53.7278

 1.6687, 6.3343,
0.0000

 105.6139,
162.0117, 73.2998

 0.4365, 3.0494,
0.0000

 134.2405,
200.3690, 97.1268

 0.0000, 1.1576,
0.0000

 167.6221,

 0.0000, 0.0266,

244.3478, 125.6275

0.0000

206.1241,
294.3323, 159.2204

■ 0.0000, 0.0000,
0.0000

■ 21.0195, 41.0925,
9.6201

■ 21.0195, 41.0925,
9.6201

■ 20.8810, 41.0312,
9.2133

■ 21.7338, 41.4183,
11.6245

■ 22.9085, 41.9662,
14.2870

■ 24.6263, 42.7788,
17.6605

■ 26.9470, 43.8862,
21.7917

■ 29.9224, 45.3140,
26.7229

■ 33.5982, 47.0850,
32.4935

■ 38.0162, 49.2201,
39.1402

■ 43.2149, 51.7382,
46.6975

■ 49.2299, 54.6571,
55.1980

Harmonies

Analogous

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



30.2736, 41.0925, 3.3043



21.0195, 41.0925, 9.6201



17.0250, 41.0925, 31.1228

Triad

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



21.0195, 41.0925, 9.6201



33.9557, 41.0925, 184.7991



73.0673, 41.0925, 22.6064

Complementary

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



21.0195, 41.0925, 9.6201



29.6091, 14.6515, 32.7197

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.



74.7884, 41.0925, 61.8493



21.0195, 41.0925, 9.6201



49.3940, 41.0925, 176.6298

Square

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



21.0195, 41.0925, 9.6201



23.1190, 41.0925, 141.1096



65.2541, 41.0925, 123.0160



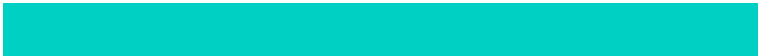
61.0222, 41.0925, 6.7945

Rectangle

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



21.0195, 41.0925, 9.6201



16.9571, 41.0925, 59.4947



65.2541, 41.0925, 123.0160



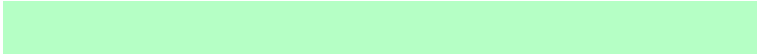
74.9710, 41.0925, 32.6562

Sweetspot

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



21.0205, 41.0942, 9.6210



64.9566, 85.4013, 66.1500



34.3504, 48.0245, 7.6028



13.1758, 17.9277, 13.0678



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.



21.0205, 41.0942, 9.6210



36.4867, 71.8107, 15.7469



25.5237, 42.8955, 33.3346



10.5921, 11.9257, 11.8024



13.4539, 26.3939, 6.0687



0.6652, 1.2610, 0.4356

Inverse Universe

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



29.6091, 14.6515, 32.7197



51.4879, 25.3591, 55.8946



24.4232, 12.5771, 5.4110



10.9786, 10.7748, 12.8705



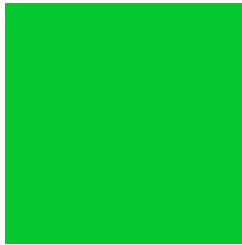
18.9776, 9.3406, 20.8894



0.9242, 0.4525, 1.1239

Previews

White Background



This preview shows how the XYZ color 21.0195, 41.0925, 9.6201 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 21.0195, 41.0925, 9.6201 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 21.0195, 41.0925, 9.6201

Background



This preview shows how black text looks on a background with the XYZ color 21.0195, 41.0925, 9.6201.



This preview shows how white text looks on a background with the XYZ color 21.0195, 41.0925,

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

21.0195, 41.0925, 9.6201

Protanopia

36.4490, 40.3623, 7.9675

Deuteranopia

40.9689, 40.1966, 10.3020



Tritanopia

31.5812, 41.1287, 61.5325

Trichromacy



Original Color

21.0195, 41.0925, 9.6201



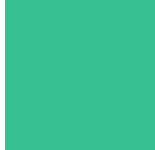
Protanomaly

25.1469, 37.4405, 8.2842



Deuteranomaly

26.4102, 36.2838, 9.6145



Tritanomaly

25.2630, 40.0902, 33.1948

Monochromacy



Original Color

21.0195, 41.0925, 9.6201



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.5713, 24.7271, 14.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0195, 41.0925, 9.6201 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(5, 199, 48)` looks like.

```
.text, #text, p{  
    color:rgb(5, 199, 48)  
}
```

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(5, 199, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 199, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.0195, 41.0925, 9.6201 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(5, 199, 48) }
```


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

```
.border{ border-color:rgb(5, 199, 48) }
```

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

Here you see how a box with a 4 pixel rgb(5, 199, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 199, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 199, 48);  
box-shadow:4px 4px 4px 4px rgb(5, 199, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0195, 41.0925, 9.6201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 199, 48) }
```

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

```
.background{ background-color: rgb(5, 199,  
48) }
```

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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