

Converting Colors

XYZ(21.3234, 41.4384, 10.8332)

Have a look what the booklet for
XYZ(21.3234, 41.4384, 10.8332)
contains.

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Color

**XYZ(21.4180, 41.6140,
10.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	00C83A
RGB	0, 200, 58
RGB Percent	0%, 78%, 23%
CMY	1.0000, 0.2157, 0.7725
CMYK	1.00, 0.00, 0.71, 0.22
HSL	137°, 100%, 39%
HSV	137°, 100%, 78%
XYZ	21.4180, 41.6140, 10.9065
YIQ	124.0120, -73.6180, -86.5620

Conversions

Conversions Part 2

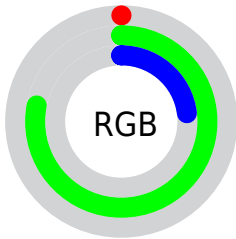
Format	Color
RYB	0, 155, 200
Decimal	51258
CIELab	70.60, -69.03, 56.43
CIELCh	71, 89.162, 140.733
Yxy	41.6140, 0.2897, 0.5628
Android (android.graphics.Color)	4278241338 (0xFF00C83A)
YUV	124.0120, -32.5439, -108.7585
Hunter-Lab	64.5089, -53.6257, 35.1321

Details

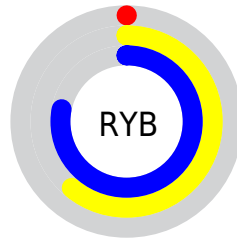
The XYZ color **21.4180, 41.6140, 10.9065** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **28.7031, 14.2330, 26.8268**, and the grayscale version is **19.2861, 20.2905, 22.0964**.

A 20% lighter version of the original color is **44.2201, 75.5370, 27.8723**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.4188, 41.6156, 10.9070**, and if you desaturate by 10%, it is **22.1201, 41.9295, 13.0935**.

Distribution



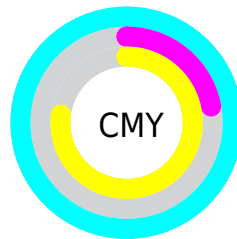
- Red (0%)
- Green (78%)
- Blue (23%)



- Red (0%)
- Yellow (61%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4180, 41.6140, 10.9065 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 21.4180, 41.6140, 10.9065 by changing the saturation by 10% instead.

■ 21.4180, 41.6140,
10.9065

■ 21.4180, 41.6140,
10.9065

252.1816,
352.8803, 207.7393

■ 13.5441, 28.7992,
5.8906

■ 45.2682, 77.6151,
28.1211

■ 7.8838, 18.9289,
2.7110

■ 61.9753, 101.5701,
41.1570

■ 4.0719, 11.6189,
0.9489

■ 82.3574, 130.0074,
57.7032

■ 1.7429, 6.4848,
0.0000

■ 106.7799,
163.3112, 78.1784

■ 0.4829, 3.1420,
0.0000

■ 135.6082,
201.8660, 103.0011

■ 0.0000, 1.2063,
0.0000

169.2077,

■ 0.0000, 0.0669,

246.0562, 132.5897

0.0000

207.9437,
296.2662, 167.3630

■ 0.0000, 0.0000,
0.0000

■ 21.4180, 41.6140,
10.9065

■ 21.4180, 41.6140,
10.9065

■ 21.4188, 41.6156,
10.9070

■ 22.1201, 41.9295,
13.0935

■ 23.2265, 42.4398,
15.8576

■ 24.8486, 43.2029,
19.2402

■ 27.0472, 44.2492,
23.2766

■ 29.8742, 45.6050,
27.9991

■ 33.3753, 47.2931,
33.4380

■ 37.5921, 49.3345,
39.6217

■ 42.5625, 51.7480,
46.5770

■ 48.3217, 54.5514,
54.3294

Harmonies

Analogous

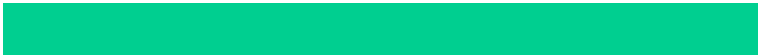
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.3440, 41.6140, 3.9004



21.4180, 41.6140, 10.9065



17.6568, 41.6140, 33.4560

Triad

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



21.4180, 41.6140, 10.9065



35.1621, 41.6140, 181.9058



72.4213, 41.6140, 22.2221

Complementary

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



21.4180, 41.6140, 10.9065



28.7031, 14.2330, 26.8268

Split Complementary

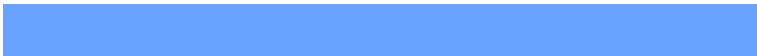
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6368, 41.6140, 59.6791



21.4180, 41.6140, 10.9065



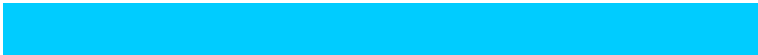
50.4585, 41.6140, 171.5088

Square

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



21.4180, 41.6140, 10.9065



24.1895, 41.6140, 141.6800



65.8029, 41.6140, 118.5483



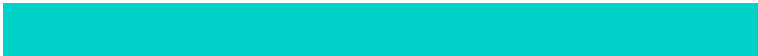
60.3400, 41.6140, 7.0440

Rectangle

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



21.4180, 41.6140, 10.9065



17.7304, 41.6140, 62.1699



65.8029, 41.6140, 118.5483



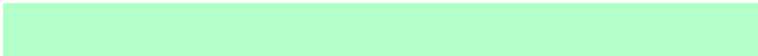
74.4447, 41.6140, 31.8131

Sweetspot

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



21.4190, 41.6157, 10.9074



64.7407, 85.2465, 68.1065



32.0413, 47.1799, 7.4180



13.1606, 17.9088, 13.5684



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.



21.4190, 41.6157, 10.9074



36.9944, 72.0138, 18.4202



26.7128, 43.7332, 38.7844



10.6219, 11.9376, 11.9590



13.6525, 26.4734, 7.1145



0.6786, 1.2664, 0.5060

Inverse Universe

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



28.7031, 14.2330, 26.8268



49.5855, 24.5982, 45.8768



24.2627, 12.4568, 3.4438



10.9469, 10.7622, 12.7038



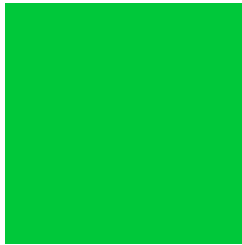
18.2901, 9.0656, 17.2696



0.8964, 0.4414, 0.9774

Previews

White Background



This preview shows how the XYZ color 21.4180, 41.6140, 10.9065 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 21.4180, 41.6140, 10.9065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

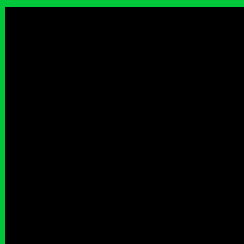
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4180, 41.6140, 10.9065

Background



This preview shows how black text looks on a background with the XYZ color 21.4180, 41.6140, 10.9065.



This preview shows how white text looks on a background with the XYZ color 21.4180, 41.6140,

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

21.4180, 41.6140, 10.9065

Protanopia

37.0883, 40.9505, 9.0814

Deuteranopia

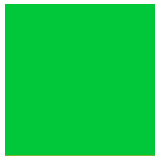
41.6751, 40.7955, 11.6390



Tritanopia

31.9107, 41.5988, 62.2246

Trichromacy



Original Color

21.4180, 41.6140, 10.9065



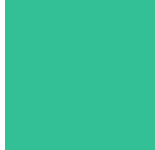
Protanomaly

25.4198, 37.8598, 9.4579



Deuteranomaly

26.6620, 36.6783, 10.8286



Tritanomaly

25.7708, 40.6313, 35.3385

Monochromacy



Original Color

21.4180, 41.6140, 10.9065



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7529, 25.0388, 16.0066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4180, 41.6140, 10.9065 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, 200, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 58)  
}
```

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, 200, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 58) }
```

Border

The CSS property to change the border of an element to XYZ 21.4180, 41.6140, 10.9065 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, 200, 58) }
```


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

```
.border{ border-color:rgb(0, 200, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4180, 41.6140, 10.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 58) }
```

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

```
.background{ background-color: rgb(0, 200,  
58) }
```

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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