

Converting Colors

XYZ(21.5053, 42.7800, 7.5994)

Have a look what the booklet for
XYZ(21.5053, 42.7800, 7.5994)
contains.

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Color

**XYZ(21.5120, 42.7815,
7.6141)**

Conversions

Conversions Part 1

Format	Color
Hex	05CB10
RGB	5, 203, 16
RGB Percent	2%, 80%, 6%
CMY	0.9804, 0.2039, 0.9372
CMYK	0.98, 0.00, 0.92, 0.20
HSL	123°, 95%, 41%
HSV	123°, 98%, 80%
XYZ	21.5120, 42.7815, 7.6141
YIQ	122.4800, -57.9810, -100.1330

Conversions

Conversions Part 2

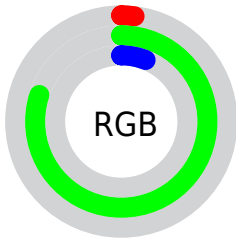
Format	Color
RYB	5, 193, 203
Decimal	379664
CIELab	71.41, -72.04, 68.30
CIELCh	71, 99.275, 136.527
Yxy	42.7815, 0.2992, 0.5950
Android (android.graphics.Color)	4278569744 (0xFF05CB10)
YUV	122.4800, -52.4946, -103.0300
Hunter-Lab	65.4076, -55.7561, 38.8833

Details

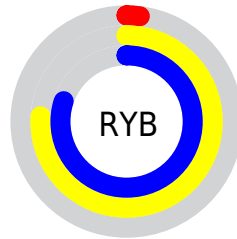
The XYZ color **21.5120, 42.7815, 7.6141** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.1963, 16.6105, 51.2629**, and the grayscale version is **18.8374, 19.8185, 21.5823**.

A 20% lighter version of the original color is **43.3836, 75.2561, 21.0434**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **21.4189, 42.7384, 7.4462**, and if you desaturate by 10%, it is **22.0712, 43.0465, 8.7504**.

Distribution



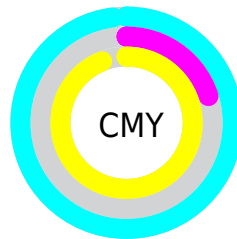
- Red (2%)
- Green (80%)
- Blue (6%)



- Red (2%)
- Yellow (76%)
- Blue (80%)



- Cyan (98%)
- Magenta (0%)
- Yellow (92%)
- Black (20%)





- Cyan (98%)
- Magenta (20%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5120, 42.7815, 7.6141 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 21.5120, 42.7815, 7.6141 by changing the saturation by 10% instead.


 21.5120, 42.7815,
7.6141


 21.5120, 42.7815,
7.6141


252.6677,
357.7124, 182.4932


 13.6134, 29.7137,
3.7648


 45.4230, 79.3810,
21.7319

 7.9321, 19.6214,
1.4972

 62.1660, 103.6816,
32.8375


 4.1030, 12.1201,
0.2159


 82.5879, 132.4951,
47.1990

 1.7606, 6.8255,
0.0000

 107.0541,
166.2062, 65.2349

 0.4937, 3.3532,
0.0000

 135.9297,
205.1990, 87.3637

 0.0000, 1.3188,
0.0000

 169.5803,

 0.0000, 0.1557,

249.8580, 114.0040

0.0000

208.3712,
300.5677, 145.5743

■ 0.0000, 0.0000,
0.0000

■ 21.5120, 42.7815,
7.6141

■ 21.5120, 42.7815,
7.6141

■ 21.4189, 42.7384,
7.4462

■ 22.0712, 43.0465,
8.7504

■ 23.1398, 43.5548,
10.7217

■ 24.8169, 44.3564,
13.6494

■ 27.1753, 45.4864,
17.6338

■ 30.2775, 46.9754,
22.7627

■ 34.1788, 48.8500,
29.1148

■ 38.9293, 51.1346,
36.7616

■ 44.5751, 53.8516,
45.7693

■ 51.1588, 57.0216,
56.1995

Harmonies

Analogous

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



32.1870, 42.7815, 2.3301



21.5120, 42.7815, 7.6141



16.7291, 42.7815, 28.2567

Triad

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



21.5120, 42.7815, 7.6141



33.6237, 42.7815, 205.7055



79.9188, 42.7815, 24.9953

Complementary

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



21.5120, 42.7815, 7.6141



34.1963, 16.6105, 51.2629

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.



80.6164, 42.7815, 71.4909



21.5120, 42.7815, 7.6141



50.5089, 42.7815, 202.3068

Square

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



21.5120, 42.7815, 7.6141



22.3141, 42.7815, 150.4146



68.7343, 42.7815, 142.9629



67.0299, 42.7815, 6.6234

Rectangle

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



21.5120, 42.7815, 7.6141



16.3578, 42.7815, 57.8490



68.7343, 42.7815, 142.9629



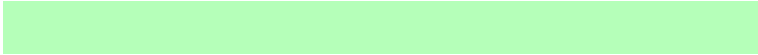
81.6885, 42.7815, 36.8817

Sweetspot

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



21.5130, 42.7833, 7.6151



63.6023, 84.8596, 59.0182



43.4028, 54.0755, 8.2936



12.8644, 17.8031, 11.4276



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.



21.5130, 42.7833, 7.6151



35.8406, 71.5522, 12.3443



24.4509, 43.9585, 23.0861



11.0929, 12.5469, 12.0468



13.6414, 27.2018, 4.7964



0.7128, 1.4069, 0.2951

Inverse Universe

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



34.1963, 16.6105, 51.2629



57.0883, 27.5993, 85.3863



26.7087, 13.6154, 11.8336



11.6595, 11.3925, 14.0077



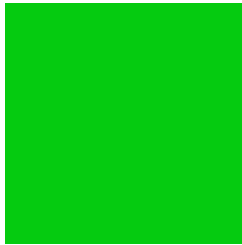
21.7188, 10.4981, 32.5675



1.1289, 0.5450, 1.7245

Previews

White Background



This preview shows how the XYZ color 21.5120, 42.7815, 7.6141 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 21.5120, 42.7815, 7.6141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

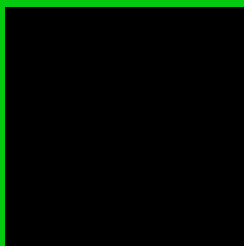
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5120, 42.7815, 7.6141

Background



This preview shows how black text looks on a background with the XYZ color 21.5120, 42.7815, 7.6141.



This preview shows how white text looks on a background with the XYZ color 21.5120, 42.7815,

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

21.5120, 42.7815, 7.6141

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

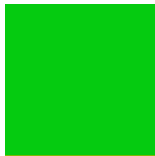
42.8617, 42.0130, 8.4350



Tritanopia

32.8430, 42.6861, 63.6350

Trichromacy



Original Color

21.5120, 42.7815, 7.6141



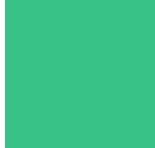
Protanomaly

26.1342, 39.2231, 6.3657



Deuteranomaly

27.4080, 38.0243, 7.4850



Tritanomaly

25.3666, 41.2019, 29.9084

Monochromacy



Original Color

21.5120, 42.7815, 7.6141



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

15.8524, 24.4200, 12.0616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5120, 42.7815, 7.6141 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, 203, 16)` looks like.

```
.text, #text, p{  
    color:rgb(5, 203, 16)  
}
```

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, 203, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 203, 16) }
```

Border

The CSS property to change the border of an element to XYZ 21.5120, 42.7815, 7.6141 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, 203, 16) }
```


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

```
.border{ border-color:rgb(5, 203, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 203, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 203, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 203, 16);  
box-shadow:4px 4px 4px 4px rgb(5, 203, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5120, 42.7815, 7.6141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 203, 16) }
```

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

```
.background{ background-color: rgb(5, 203,  
16) }
```

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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