

Converting Colors

XYZ(21.8695, 41.9153, 11.5065)

Have a look what the booklet for
XYZ(21.8695, 41.9153, 11.5065)
contains.

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Color

**XYZ(21.8123, 41.8051,
11.4770)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 14C83E |
| RGB | 20, 200, 62 |
| RGB Percent | 8%, 78%, 24% |
| CMY | 0.9216, 0.2157, 0.7568 |
| CMYK | 0.90, 0.00, 0.69, 0.22 |
| HSL | 134°, 82%, 43% |
| HSV | 134°, 90%, 78% |
| XYZ | 21.8123, 41.8051, 11.4770 |
| YIQ | 130.4480, -62.9820, -81.0780 |

Conversions

Conversions Part 2

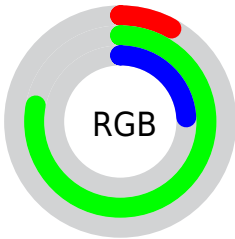
| Format | Color |
|-------------------------------------|--|
| RYB | 20, 166, 200 |
| Decimal | 1361982 |
| CIELab | 70.74, -67.74, 55.07 |
| CIELCh | 71, 87.304, 140.892 |
| Yxy | 41.8051, 0.2905, 0.5567 |
| Android (android.graphics.Color) | 4279552062 (0xFF14C83E) |
| YUV | 130.4480, -33.7449, -96.8629 |
| Hunter-Lab | 64.6569, -52.9317, 34.7355 |

Details

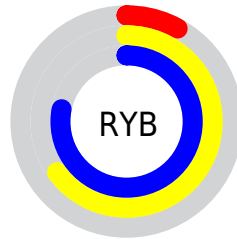
The XYZ color **21.8123, 41.8051, 11.4770** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.2423, 15.2490, 33.6982**, and the grayscale version is **21.5102, 22.6304, 24.6445**.

A 20% lighter version of the original color is **44.8562, 75.8451, 28.7984**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.1616, 41.5128, 9.5521**, and if you desaturate by 10%, it is **22.8819, 42.3020, 14.0430**.

Distribution



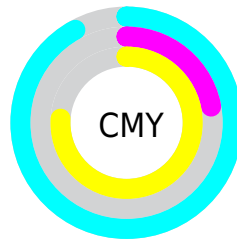
- Red (8%)
- Green (78%)
- Blue (24%)



- Red (8%)
- Yellow (65%)
- Blue (78%)



- Cyan (90%)
- Magenta (0%)
- Yellow (69%)
- Black (22%)



- Cyan (92%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8123, 41.8051, 11.4770 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 21.8123, 41.8051, 11.4770 by changing the saturation by 10% instead.

■ 21.8123, 41.8051,
11.4770

■ 21.8123, 41.8051,
11.4770

254.2153,
353.6744, 211.7650

■ 13.8349, 28.9487,
6.2704

■ 45.9167, 77.9046,
29.1889

■ 8.0868, 19.0420,
2.9388

■ 62.7745, 101.9164,
42.5314

■ 4.2028, 11.7006,
1.0635

■ 83.3230, 130.4156,
59.4229

■ 1.8175, 6.5402,
0.0000

■ 107.9277,
163.7864, 80.2820

■ 0.5282, 3.1762,
0.0000

■ 136.9539,
202.4133, 105.5272

■ 0.0000, 1.2244,
0.0000

170.7670,

■ 0.0000, 0.0815,

246.6807, 135.5771

0.0000

209.7324,
296.9729, 170.8502

■ 0.0000, 0.0000,
0.0000

■ 21.8123, 41.8051,
11.4770

■ 21.8123, 41.8051,
11.4770

■ 21.1616, 41.5128,
9.5521

■ 22.8819, 42.3020,
14.0430

■ 21.1615, 41.5128,
9.5519

■ 24.4801, 43.0555,
17.3001

■ 26.6708, 44.0987,
21.2950

■ 29.5076, 45.4584,
26.0693

■ 33.0378, 47.1582,
31.6618

■ 37.3044, 49.2194,
38.1084

■ 42.3468, 51.6617,
45.4430

■ 48.2014, 54.5032,
53.6975

■ 54.9023, 57.7609,
62.9025

Harmonies

Analogous

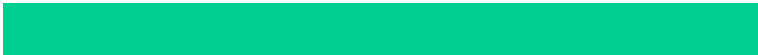
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6116, 41.8051, 4.2760



21.8123, 41.8051, 11.4770



18.0996, 41.8051, 34.0294

Triad

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



21.8123, 41.8051, 11.4770



35.4890, 41.8051, 178.3266



71.8267, 41.8051, 22.5975

Complementary

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



21.8123, 41.8051, 11.4770



30.2423, 15.2490, 33.6982

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.



74.0441, 41.8051, 59.3403



21.8123, 41.8051, 11.4770



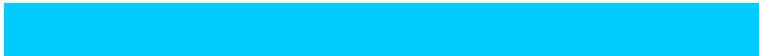
50.5106, 41.8051, 168.0051

Square

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



21.8123, 41.8051, 11.4770



24.6353, 41.8051, 139.6323



65.4844, 41.8051, 116.5961



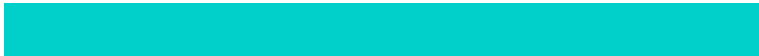
60.0065, 41.8051, 7.4499

Rectangle

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



21.8123, 41.8051, 11.4770



18.1889, 41.8051, 62.3053



65.4844, 41.8051, 116.5961



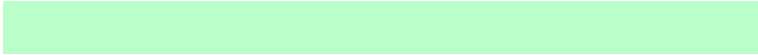
73.8164, 41.8051, 32.0555

Sweetspot

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



21.8133, 41.8068, 11.4779



66.7324, 86.2524, 69.1422



34.8826, 48.6302, 8.2100



13.6781, 18.1686, 13.9056



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.



21.8133, 41.8068, 11.4779



36.5625, 71.8410, 16.1459



26.6115, 43.7261, 36.7447



10.5972, 11.9278, 11.8290



13.4839, 26.4059, 6.2268



0.6675, 1.2619, 0.4476

Inverse Universe

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



30.2423, 15.2490, 33.6982



51.1468, 25.2227, 54.0983



25.1141, 13.1977, 6.6931



10.9732, 10.7726, 12.8419



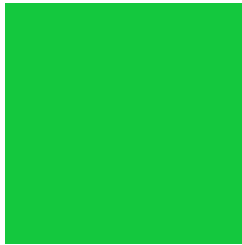
18.8545, 9.2914, 20.2415



0.9193, 0.4505, 1.0980

Previews

White Background



This preview shows how the XYZ color 21.8123, 41.8051, 11.4770 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 21.8123, 41.8051, 11.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

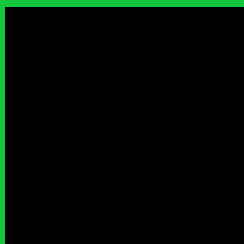
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8123, 41.8051, 11.4770

Background



This preview shows how black text looks on a background with the XYZ color 21.8123, 41.8051, 11.4770.



This preview shows how white text looks on a background with the XYZ color 21.8123, 41.8051,

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

21.8123, 41.8051, 11.4770

Protanopia

37.1566, 40.9779, 9.4412

Deuteranopia

41.8078, 40.8485, 12.3377



Tritanopia

31.9983, 41.6439, 62.2287

Trichromacy



Original Color

21.8123, 41.8051, 11.4770



Protanomaly

26.5197, 38.4184, 9.8887



Deuteranomaly

27.9585, 37.3325, 11.5267



Tritanomaly

26.2990, 40.8943, 35.7854

Monochromacy



Original Color

21.8123, 41.8051, 11.4770



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.4876, 26.6363, 17.5315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8123, 41.8051, 11.4770 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(20, 200, 62)` looks like.

```
.text, #text, p{  
    color:rgb(20, 200, 62)  
}
```

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(20, 200, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 200, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.8123, 41.8051, 11.4770 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(20, 200, 62) }
```


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

```
.border{ border-color:rgb(20, 200, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 200, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 200, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 200, 62);  
box-shadow:4px 4px 4px 4px rgb(20, 200,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8123, 41.8051, 11.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 200, 62) }
```

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

```
.background{ background-color: rgb(20, 200,  
62) }
```

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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