

Converting Colors

XYZ(21.7605, 41.4599, 8.8433)

Have a look what the booklet for
XYZ(21.7605, 41.4599, 8.8433)
contains.

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Color

**XYZ(21.8027, 41.5136,
8.8713)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC728
RGB	43, 199, 40
RGB Percent	17%, 78%, 16%
CMY	0.8314, 0.2196, 0.8431
CMYK	0.78, 0.00, 0.80, 0.22
HSL	119°, 67%, 47%
HSV	119°, 80%, 78%
XYZ	21.8027, 41.5136, 8.8713
YIQ	134.2300, -41.9370, -82.5210

Conversions

Conversions Part 2

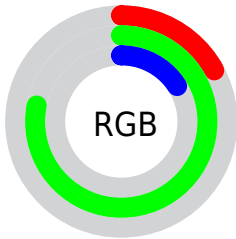
Format	Color
RYB	40, 199, 196
Decimal	2869032
CIELab	70.53, -66.92, 62.49
CIELCh	71, 91.561, 136.958
Yxy	41.5136, 0.3020, 0.5751
Android (android.graphics.Color)	4281059112 (0xFF2BC728)
YUV	134.2300, -46.4554, -80.0087
Hunter-Lab	64.4310, -52.3521, 36.9383

Details

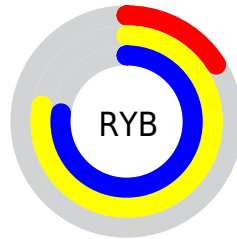
The XYZ color **21.8027, 41.5136, 8.8713** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.8357, 17.3788, 55.6061**, and the grayscale version is **22.9226, 24.1164, 26.2627**.

A 20% lighter version of the original color is **45.2146, 76.1339, 24.1166**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.9158, 41.0872, 7.4951**, and if you desaturate by 10%, it is **23.2572, 42.2150, 11.1847**.

Distribution



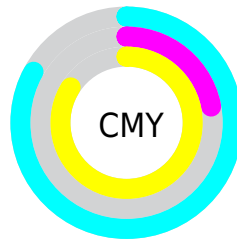
- Red (17%)
- Green (78%)
- Blue (16%)



- Red (16%)
- Yellow (78%)
- Blue (77%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8027, 41.5136, 8.8713 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 21.8027, 41.5136, 8.8713 by changing the saturation by 10% instead.


 21.8027, 41.5136,
8.8713


 21.8027, 41.5136,
8.8713


254.1660,
352.4626, 192.5975


 13.8278, 28.7206,
4.5617


 45.9010, 77.4629,
24.2234

 8.0819, 18.8696,
1.9383


 62.7550, 101.3881,
36.1030


 4.1996, 11.5761,
0.5169


 83.2995, 129.7928,
51.3429

 1.8157, 6.4557,
0.0000

 107.8998,
163.0613, 70.3618

 0.5271, 3.1241,
0.0000

 136.9213,
201.5782, 93.5782

 0.0000, 1.1969,
0.0000

 170.7292,

 0.0000, 0.0591,

245.7278, 121.4105

0.0000

209.6890,
295.8945, 154.2775

■ 0.0000, 0.0000,
0.0000

■ 21.8027, 41.5136,
8.8713

■ 21.8027, 41.5136,
8.8713

■ 20.9158, 41.0872,
7.4951

■ 23.2572, 42.2150,
11.1847

■ 20.4748, 40.8744,
6.8164

■ 25.3494, 43.2210,
14.5587

■ 20.4711, 40.8726,
6.8103

■ 28.1422, 44.5631,
19.1010

■ 31.6904, 46.2675,
24.9053

■ 36.0433, 48.3577,
32.0559

■ 41.2461, 50.8555,
40.6297

■ 47.3404, 53.7807,
50.6979

■ 54.3654, 57.1521,
62.3270

■ 62.3578, 60.9873,
75.5793

Harmonies

Analogous

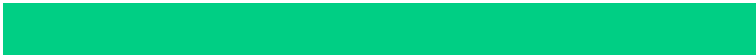
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.5744, 41.5136, 3.1841



21.8027, 41.5136, 8.8713



17.3794, 41.5136, 28.9027

Triad

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



21.8027, 41.5136, 8.8713



33.2568, 41.5136, 184.4029



74.2884, 41.5136, 25.0139

Complementary

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



21.8027, 41.5136, 8.8713



33.8357, 17.3788, 55.6061

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.



75.0749, 41.5136, 66.7011



21.8027, 41.5136, 8.8713



48.5542, 41.5136, 180.6700

Square

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



21.8027, 41.5136, 8.8713



22.7620, 41.5136, 137.3803



64.7323, 41.5136, 129.1134



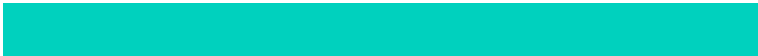
62.7986, 41.5136, 7.5812

Rectangle

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



21.8027, 41.5136, 8.8713



17.0713, 41.5136, 56.0511



64.7323, 41.5136, 129.1134



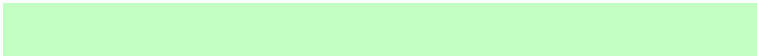
75.9001, 41.5136, 35.8505

Sweetspot

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



21.8037, 41.5153, 8.8722



67.9685, 87.0018, 64.1320



43.1631, 50.7476, 9.5285



13.8582, 18.2908, 12.5905



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.



21.8037, 41.5153, 8.8722



36.0098, 71.6423, 12.2233



24.3486, 42.5193, 22.9048



10.5156, 11.8972, 11.3049



13.1712, 26.2853, 4.3794



0.6302, 1.2480, 0.2077

Inverse Universe

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



33.8357, 17.3788, 55.6061



57.7251, 27.8376, 96.9385



28.0024, 15.1364, 20.7826



11.0626, 10.8061, 13.4202



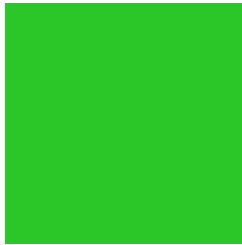
21.1514, 10.1382, 35.5864



1.0080, 0.4834, 1.6853

Previews

White Background



This preview shows how the XYZ color 21.8027, 41.5136, 8.8713 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 21.8027, 41.5136, 8.8713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

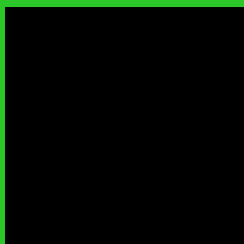
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8027, 41.5136, 8.8713

Background



This preview shows how black text looks on a background with the XYZ color 21.8027, 41.5136, 8.8713.



This preview shows how white text looks on a background with the XYZ color 21.8027, 41.5136,

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

21.8027, 41.5136, 8.8713

Protanopia

36.5757, 40.4421, 7.3172

Deuteranopia

41.3904, 40.4322, 9.4936



Tritanopia

32.0887, 41.0922, 60.8839

Trichromacy



Original Color

21.8027, 41.5136, 8.8713



Protanomaly

27.3235, 38.5784, 7.6753



Deuteranomaly

28.8764, 37.5744, 8.8626



Tritanomaly

26.1200, 40.2358, 31.9808

Monochromacy



Original Color

21.8027, 41.5136, 8.8713



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.8939, 28.1405, 16.4397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8027, 41.5136, 8.8713 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(43, 199, 40)` looks like.

```
.text, #text, p{  
    color:rgb(43, 199, 40)  
}
```

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(43, 199, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 199, 40) }
```

Border

The CSS property to change the border of an element to XYZ 21.8027, 41.5136, 8.8713 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(43, 199, 40) }
```


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

```
.border{ border-color:rgb(43, 199, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 199, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 199, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 199, 40);  
box-shadow:4px 4px 4px 4px rgb(43, 199,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8027, 41.5136, 8.8713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 199, 40) }
```

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

```
.background{ background-color: rgb(43, 199,  
40) }
```

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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