

Converting Colors

XYZ(23.1134, 41.8069, 10.8277)

Have a look what the booklet for
XYZ(23.1134, 41.8069, 10.8277)
contains.

XYZ(23.1378, 41.8175, 10.8551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1378, 41.8175,
10.8551)**

Conversions

Conversions Part 1

Format	Color
Hex	41C63A
RGB	65, 198, 58
RGB Percent	25%, 78%, 23%
CMY	0.7451, 0.2235, 0.7725
CMYK	0.67, 0.00, 0.71, 0.22
HSL	117°, 55%, 50%
HSV	117°, 71%, 78%
XYZ	23.1378, 41.8175, 10.8551
YIQ	142.2730, -34.3280, -71.7360

Conversions

Conversions Part 2

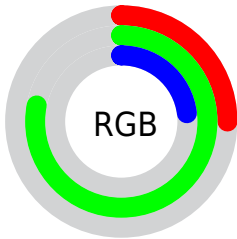
Format	Color
RYB	58, 198, 191
Decimal	4310586
CIELab	70.74, -61.70, 56.82
CIELCh	71, 83.880, 137.357
Yxy	41.8175, 0.3052, 0.5516
Android (android.graphics.Color)	4282500666 (0xFF41C63A)
YUV	142.2730, -41.5466, -67.7684
Hunter-Lab	64.6665, -49.2986, 35.3139

Details

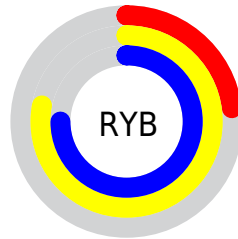
The XYZ color **23.1378, 41.8175, 10.8551** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.1947, 18.1814, 55.1882**, and the grayscale version is **25.9897, 27.3432, 29.7767**.

A 20% lighter version of the original color is **47.7939, 77.3794, 28.0395**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **21.6834, 41.1164, 8.6445**, and if you desaturate by 10%, it is **25.2024, 42.8133, 14.1067**.

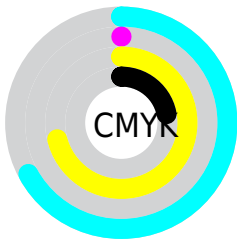
Distribution



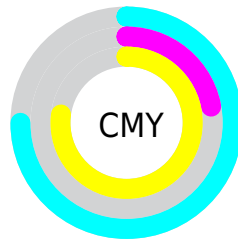
- Red (25%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (75%)



- Cyan (67%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)





- Cyan (75%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1378, 41.8175, 10.8551 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 23.1378, 41.8175, 10.8551 by changing the saturation by 10% instead.


 23.1378, 41.8175,
10.8551


 23.1378, 41.8175,
10.8551


260.9541,
353.7258, 207.3724


 14.8165, 28.9584,
5.8565


 48.0845, 77.9233,
28.0245


 8.7762, 19.0494,
2.6907


 65.4406, 101.9389,
41.0323


 4.6514, 11.7060,
0.9387


 86.5391, 130.4421,
57.5471

 2.0769, 6.5438,
0.0000

 111.7453,
163.8172, 77.9872

 0.6766, 3.1785,
0.0000

 141.4245,
202.4488, 102.7712

 0.0000, 1.2256,
0.0000

175.9422,

 0.0000, 0.0825,

246.7212, 132.3177

0.0000

215.6636,
297.0187, 167.0453

■ 0.0000, 0.0000,
0.0000

■ 23.1378, 41.8175,
10.8551

■ 23.1378, 41.8175,
10.8551

■ 21.6834, 41.1164,
8.6445

■ 25.2024, 42.8133,
14.1067

■ 20.7695, 40.6731,
7.3458

■ 27.9313, 44.1256,
18.5029

■ 20.3188, 40.4537,
6.7374

■ 31.3758, 45.7801,
24.1379

■ 35.5816, 47.7987,
31.0954

■ 40.5904, 50.2010,
39.4518

■ 46.4410, 53.0057,
49.2777

■ 53.1696, 56.2299,
60.6390

■ 60.8104, 59.8900,
73.5975

■ 69.3956, 64.0013,
88.2116

Harmonies

Analogous

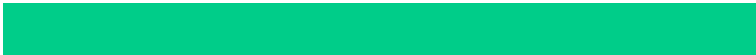
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.2882, 41.8175, 4.5689



23.1378, 41.8175, 10.8551



18.9416, 41.8175, 30.7384

Triad

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



23.1378, 41.8175, 10.8551



34.1742, 41.8175, 168.6548



71.1353, 41.8175, 26.2881

Complementary

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



23.1378, 41.8175, 10.8551



33.1947, 18.1814, 55.1882

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.



71.9781, 41.8175, 64.4425



23.1378, 41.8175, 10.8551



48.2725, 41.8175, 164.7803

Square

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



23.1378, 41.8175, 10.8551



24.2396, 41.8175, 128.3316



62.8490, 41.8175, 119.6444



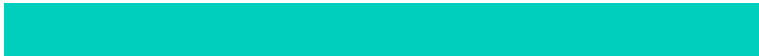
60.7608, 41.8175, 9.2304

Rectangle

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



23.1378, 41.8175, 10.8551



18.6815, 41.8175, 56.0637



62.8490, 41.8175, 119.6444



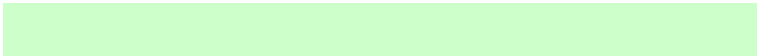
72.6164, 41.8175, 36.4097

Sweetspot

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



23.1388, 41.8192, 10.8560



71.2920, 88.6134, 68.8829



42.6852, 49.5751, 11.3229



14.7012, 18.6992, 13.8105



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.



23.1388, 41.8192, 10.8560



37.3844, 72.3165, 13.8431



25.3916, 42.6702, 24.9885



10.5457, 11.9127, 11.3063



13.2348, 26.3181, 4.3824



0.6442, 1.2552, 0.2083

Inverse Universe

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



33.1947, 18.1814, 55.1882



56.1182, 27.8857, 97.0325



29.1765, 16.7823, 24.6248



11.0287, 10.7886, 13.4186



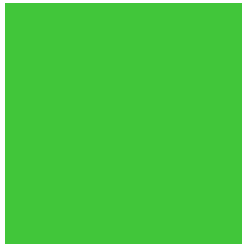
20.1550, 9.6246, 35.5398



0.9708, 0.4642, 1.6836

Previews

White Background



This preview shows how the XYZ color 23.1378, 41.8175, 10.8551 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 23.1378, 41.8175, 10.8551 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 23.1378, 41.8175, 10.8551

Background



This preview shows how black text looks on a background with the XYZ color 23.1378, 41.8175, 10.8551.



This preview shows how white text looks on a background with the XYZ color 23.1378, 41.8175,

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

23.1378, 41.8175, 10.8551

Protanopia

37.0883, 40.9505, 9.0814

Deuteranopia

41.6751, 40.7955, 11.6390



Tritanopia

33.1411, 41.6348, 60.9332

Trichromacy



Original Color

23.1378, 41.8175, 10.8551



Protanomaly

29.0438, 39.4251, 9.5691



Deuteranomaly

30.8068, 38.8149, 11.0226



Tritanomaly

27.7833, 41.0397, 34.4741

Monochromacy



Original Color

23.1378, 41.8175, 10.8551



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.7290, 30.5658, 19.7408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1378, 41.8175, 10.8551 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(65, 198, 58)` looks like.

```
.text, #text, p{  
    color:rgb(65, 198, 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(65, 198, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 198, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.1378, 41.8175, 10.8551 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(65, 198, 58) }
```


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

```
.border{ border-color:rgb(65, 198, 58) }
```

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

Here you see how a box with a 4 pixel rgb(65, 198, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 198, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 198, 58);  
box-shadow:4px 4px 4px 4px rgb(65, 198,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1378, 41.8175, 10.8551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 198, 58) }
```

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

```
.background{ background-color: rgb(65, 198,  
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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