

Converting Colors

XYZ(22.1970, 43.4274, 10.3790)

Have a look what the booklet for
XYZ(22.1970, 43.4274, 10.3790)
contains.

XYZ(22.1904, 43.4247, 10.3442)	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(22.1904, 43.4247,
10.3442)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC33
RGB	0, 204, 51
RGB Percent	0%, 80%, 20%
CMY	1.0000, 0.2000, 0.8000
CMYK	1.00, 0.00, 0.75, 0.20
HSL	135°, 100%, 40%
HSV	135°, 100%, 80%
XYZ	22.1904, 43.4247, 10.3442
YIQ	125.5620, -72.4710, -90.8310

Conversions

Conversions Part 2

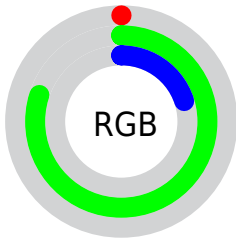
Format	Color
RYB	0, 163, 204
Decimal	52275
CIELab	71.84, -70.75, 60.19
CIELCh	72, 92.893, 139.610
Yxy	43.4247, 0.2921, 0.5717
Android (android.graphics.Color)	4278242355 (0xFF00CC33)
YUV	125.5620, -36.7591, -110.1179
Hunter-Lab	65.8974, -55.2121, 36.8212

Details

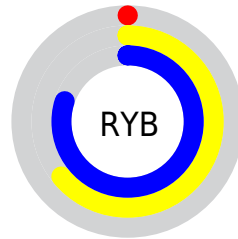
The XYZ color **22.1904, 43.4247, 10.3442** is a dark color, and the websafe version is hex **00CC33**, and the color name is **vivid malachite**. The color can be described as dark washed green. A complement of this color would be **30.6528, 15.1380, 31.4444**, and the grayscale version is **19.8221, 20.8544, 22.7105**.

A 20% lighter version of the original color is **44.1228, 75.5246, 26.1621**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **22.1913, 43.4264, 10.3448**, and if you desaturate by 10%, it is **22.8829, 43.7374, 12.4378**.

Distribution



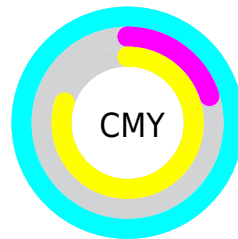
- Red (0%)
- Green (80%)
- Blue (20%)



- Red (0%)
- Yellow (64%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1904, 43.4247, 10.3442 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 22.1904, 43.4247, 10.3442 by changing the saturation by 10% instead.

■ 22.1904, 43.4247,
10.3442

■ 22.1904, 43.4247,
10.3442

256.1527,
360.3554, 203.6846

■ 14.1143, 30.2185,
5.5192

■ 46.5370, 80.3514,
27.0588

■ 8.2824, 20.0045,
2.4910

■ 63.5382, 104.8406,
39.7855

■ 4.3295, 12.3983,
0.8354

■ 84.2450, 133.8596,
55.9831

■ 1.8902, 7.0155,
0.0000

■ 109.0230,
167.7928, 76.0702

■ 0.5711, 3.4718,
0.0000

■ 138.2374,
207.0246, 100.4654

■ 0.0000, 1.3827,
0.0000

■ 172.2536,

■ 0.0000, 0.2040,

251.9394, 129.5872

0.0000

211.4369,
302.9215, 163.8540

■ 0.0000, 0.0000,
0.0000

■ 22.1904, 43.4247,
10.3442

■ 22.1904, 43.4247,
10.3442

■ 22.1913, 43.4264,
10.3448

■ 22.8829, 43.7374,
12.4378

■ 24.0084, 44.2580,
15.1816

■ 25.6842, 45.0474,
18.6277

■ 27.9753, 46.1381,
22.8206

■ 30.9378, 47.5581,
27.8012

■ 34.6207, 49.3320,
33.6072

■ 39.0688, 51.4821,
40.2738

■ 44.3227, 54.0288,
47.8344

■ 50.4206, 56.9908,
56.3204

Harmonies

Analogous

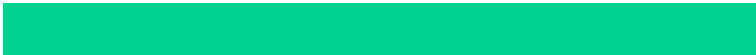
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8948, 43.4247, 3.5591



22.1904, 43.4247, 10.3442



18.0242, 43.4247, 33.2635

Triad

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



22.1904, 43.4247, 10.3442



36.0342, 43.4247, 194.8655



77.0132, 43.4247, 23.6811

Complementary

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



22.1904, 43.4247, 10.3442



30.6528, 15.1380, 31.4444

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.



78.9447, 43.4247, 64.7718



22.1904, 43.4247, 10.3442



52.3320, 43.4247, 185.7080

Square

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



22.1904, 43.4247, 10.3442



24.5528, 43.4247, 149.3238



69.0046, 43.4247, 129.0318



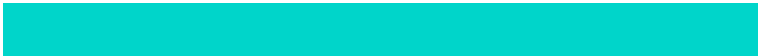
64.2538, 43.4247, 7.1530

Rectangle

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



22.1904, 43.4247, 10.3442



17.9829, 43.4247, 63.3445



69.0046, 43.4247, 129.0318



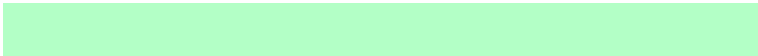
79.0554, 43.4247, 34.1942

Sweetspot

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



22.1914, 43.4265, 10.3452



64.3849, 85.1042, 66.2332



34.7313, 49.9601, 7.8129



13.0782, 17.8758, 13.1345



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.



22.1914, 43.4265, 10.3452



36.6784, 71.8873, 16.7560



27.3438, 45.4875, 37.4774



11.1812, 12.5822, 12.5115



13.9988, 27.3448, 6.6784



0.7535, 1.4232, 0.5096

Inverse Universe

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



30.6528, 15.1380, 31.4444



50.6713, 25.0325, 51.5947



25.5005, 13.0770, 4.3126



11.5630, 11.3539, 13.4996



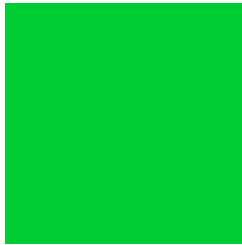
19.3313, 9.5431, 19.9953



1.0265, 0.5040, 1.1854

Previews

White Background



This preview shows how the XYZ color 22.1904, 43.4247, 10.3442 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 22.1904, 43.4247, 10.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

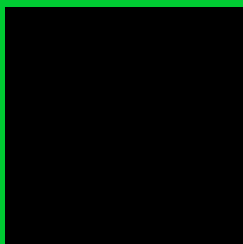
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1904, 43.4247, 10.3442

Background



This preview shows how black text looks on a background with the XYZ color 22.1904, 43.4247, 10.3442.



This preview shows how white text looks on a background with the XYZ color 22.1904, 43.4247,

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

22.1904, 43.4247, 10.3442

Protanopia

38.5495, 42.5776, 8.5694

Deuteranopia

43.5330, 42.5712, 11.0769



Tritanopia

33.2102, 43.1680, 64.9744

Trichromacy



Original Color

22.1904, 43.4247, 10.3442



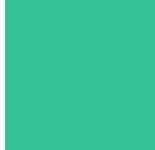
Protanomaly

26.5294, 39.6830, 8.9507



Deuteranomaly

27.8110, 38.4684, 10.3742



Tritanomaly

26.4883, 41.9891, 35.5628

Monochromacy



Original Color

22.1904, 43.4247, 10.3442



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.1160, 25.7175, 15.8663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1904, 43.4247, 10.3442 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, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 51)  
}
```

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, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 51) }
```

Border

The CSS property to change the border of an element to XYZ 22.1904, 43.4247, 10.3442 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, 204, 51) }
```


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

```
.border{ border-color:rgb(0, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1904, 43.4247, 10.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 51) }
```

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

```
.background{ background-color: rgb(0, 204,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor