

Converting Colors

XYZ(20.3513, 41.1043, 19.8635)

Have a look what the booklet for
XYZ(20.3513, 41.1043, 19.8635)
contains.

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Color

**XYZ(23.3853, 42.7728,
20.1201)**

Conversions

Conversions Part 1

Format	Color
Hex	00C968
RGB	0, 201, 104
RGB Percent	0%, 79%, 41%
CMY	1.0000, 0.2118, 0.5921
CMYK	1.00, 0.00, 0.48, 0.21
HSL	151°, 100%, 39%
HSV	151°, 100%, 79%
XYZ	23.3853, 42.7728, 20.1201
YIQ	129.8430, -88.6590, -72.7790

Conversions

Conversions Part 2

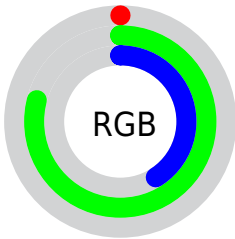
Format	Color
RYB	0, 132, 201
Decimal	51560
CIELab	71.40, -63.42, 36.77
CIELCh	71, 73.309, 149.892
Yxy	42.7728, 0.2710, 0.4958
Android (android.graphics.Color)	4278241640 (0xFF00C968)
YUV	129.8430, -12.7406, -113.8723
Hunter-Lab	65.4009, -50.6256, 27.5405

Details

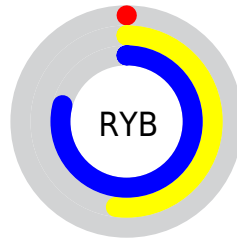
The XYZ color **23.3853, 42.7728, 20.1201** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.2464, 13.2813, 12.4911**, and the grayscale version is **21.2299, 22.3355, 24.3233**.

A 20% lighter version of the original color is **47.2126, 76.7210, 44.2186**, and **10.7913, 20.5171, 6.8815** is the 20% darker color. If you saturate the color by 10%, you get **23.3862, 42.7744, 20.1203**, and if you desaturate by 10%, it is **24.1985, 43.1330, 22.8812**.

Distribution



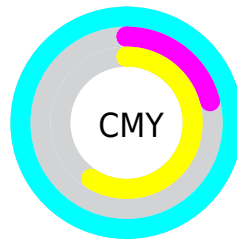
- Red (0%)
- Green (79%)
- Blue (41%)



- Red (0%)
- Yellow (52%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3853, 42.7728, 20.1201 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 23.3853, 42.7728, 20.1201 by changing the saturation by 10% instead.


 23.3853, 42.7728,
20.1201


 23.3853, 42.7728,
20.1201


262.1964,
357.6766, 265.1903


 15.0005, 29.7069,
12.2974


 48.4872, 79.3679,
44.4801


 8.9061, 19.6162,
6.8216


 65.9351, 103.6659,
61.8544


 4.7366, 12.1164,
3.2740


 87.1347, 132.4767,
83.2498

 2.1267, 6.8230,
1.2362

 112.4514,
166.1846, 109.0847

 0.7037, 3.3516,
0.0086

 142.2506,
205.1742, 139.7776

 0.0000, 1.3180,
0.0000

176.8976,

 0.0000, 0.1550,

249.8298, 175.7472

0.0000

216.7577,
300.5358, 217.4119

■ 0.0000, 0.0000,
0.0000

■ 23.3853, 42.7728,
20.1201

■ 23.3853, 42.7728,
20.1201

■ 23.3862, 42.7744,
20.1203

■ 24.1985, 43.1330,
22.8812

■ 25.3711, 43.6704,
25.9636

■ 27.0104, 44.4415,
29.3823

■ 29.1733, 45.4755,
33.1489

■ 31.9082, 46.7969,
37.2738

■ 35.2576, 48.4276,
41.7671

■ 39.2597, 50.3871,
46.6385

■ 43.9497, 52.6933,
51.8970

■ 49.3599, 55.3628,
57.5515

Harmonies

Analogous

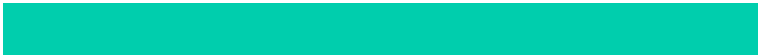
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.9363, 42.7728, 9.0040



23.3853, 42.7728, 20.1201



21.2398, 42.7728, 46.4444

Triad

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



23.3853, 42.7728, 20.1201



40.6096, 42.7728, 152.9714



64.8968, 42.7728, 20.2471

Complementary

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



23.3853, 42.7728, 20.1201



26.2464, 13.2813, 12.4911

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.



69.3055, 42.7728, 46.7005



23.3853, 42.7728, 20.1201



53.6663, 42.7728, 133.8485

Square

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



23.3853, 42.7728, 20.1201



29.8732, 42.7728, 133.5898



64.8357, 42.7728, 89.6659



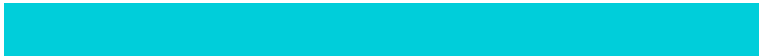
53.7596, 42.7728, 9.0469

Rectangle

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



23.3853, 42.7728, 20.1201



22.1716, 42.7728, 73.7386



64.8357, 42.7728, 89.6659



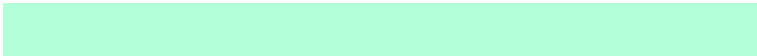
67.3043, 42.7728, 27.0623

Sweetspot

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



23.3864, 42.7745, 20.1211



66.9006, 86.1104, 79.4804



25.8338, 44.3249, 7.1941



13.6669, 18.1113, 16.2343



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.



23.3864, 42.7745, 20.1211



39.9206, 73.1842, 33.8293



30.6581, 44.4472, 62.2239



10.7228, 11.9780, 12.4902



14.7503, 26.9125, 12.8954



0.7349, 1.2889, 0.8027

Inverse Universe

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



26.2464, 13.2813, 12.4911



44.8191, 22.6916, 20.7771



24.1248, 12.4909, 1.1396



10.8435, 10.7208, 12.1592



16.5478, 8.3687, 8.0946



0.8201, 0.4109, 0.5758

Previews

White Background



This preview shows how the XYZ color 23.3853, 42.7728, 20.1201 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 23.3853, 42.7728, 20.1201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

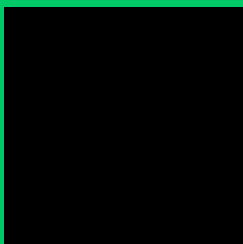
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

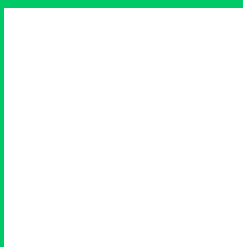
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3853, 42.7728, 20.1201

Background



This preview shows how black text looks on a background with the XYZ color 23.3853, 42.7728, 20.1201.



This preview shows how white text looks on a background with the XYZ color 23.3853, 42.7728,

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

23.3853, 42.7728, 20.1201

Protanopia

38.6423, 42.1566, 16.6900

Deuteranopia

42.9113, 42.0200, 21.4718



Tritanopia

32.4134, 42.7712, 64.3049

Trichromacy



Original Color

23.3853, 42.7728, 20.1201



Protanomaly

27.3711, 39.3004, 17.6984



Deuteranomaly

28.6074, 38.3525, 20.6469



Tritanomaly

27.5786, 42.0391, 43.7066

Monochromacy



Original Color

23.3853, 42.7728, 20.1201



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.9069, 26.9964, 22.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3853, 42.7728, 20.1201 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, 201, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 104)  
}
```

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, 201, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 104) }
```

Border

The CSS property to change the border of an element to XYZ 23.3853, 42.7728, 20.1201 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, 201, 104) }
```


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

```
.border{ border-color:rgb(0, 201, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3853, 42.7728, 20.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 104) }
```

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

```
.background{ background-color: rgb(0, 201,  
104) }
```

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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