

Converting Colors

XYZ(21.6401, 40.7494, 22.4259)

Have a look what the booklet for
XYZ(21.6401, 40.7494, 22.4259)
contains.

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Color

**XYZ(23.1747, 41.5804,
22.4272)**

Conversions

Conversions Part 1

Format	Color
Hex	00C671
RGB	0, 198, 113
RGB Percent	0%, 78%, 44%
CMY	1.0000, 0.2235, 0.5569
CMYK	1.00, 0.00, 0.43, 0.22
HSL	154°, 100%, 39%
HSV	154°, 100%, 78%
XYZ	23.1747, 41.5804, 22.4272
YIQ	129.1080, -90.7230, -68.4110

Conversions

Conversions Part 2

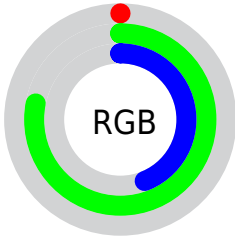
Format	Color
RYB	0, 126, 198
Decimal	50801
CIELab	70.58, -60.83, 31.16
CIELCh	71, 68.346, 152.873
Yxy	41.5804, 0.2658, 0.4769
Android (android.graphics.Color)	4278240881 (0xFF00C671)
YUV	129.1080, -7.9412, -113.2277
Hunter-Lab	64.4829, -48.6933, 24.5169

Details

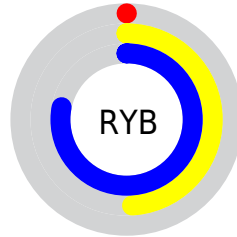
The XYZ color **23.1747, 41.5804, 22.4272** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **24.9299, 12.6625, 9.7270**, and the grayscale version is **20.9556, 22.0469, 24.0091**.

A 20% lighter version of the original color is **47.8985, 76.9825, 48.4110**, and **10.7197, 20.0038, 7.9988** is the 20% darker color. If you saturate the color by 10%, you get **23.1753, 41.5819, 22.4267**, and if you desaturate by 10%, it is **23.9616, 41.9293, 25.0816**.

Distribution



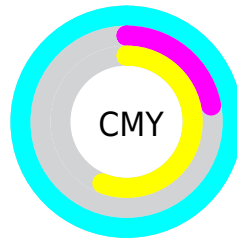
- Red (0%)
- Green (78%)
- Blue (44%)



- Red (0%)
- Yellow (49%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1747, 41.5804, 22.4272 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 23.1747, 41.5804, 22.4272 by changing the saturation by 10% instead.


 23.1747, 41.5804,
22.4272


 23.1747, 41.5804,
22.4272


261.1396,
352.7406, 277.7951


 14.8440, 28.7729,
13.9698


 48.1446, 77.5642,
48.3623


 8.7955, 18.9091,
7.9612


 65.5144, 101.5092,
66.6770


 4.6641, 11.6046,
3.9827


 86.6280, 129.9356,
89.1147

 2.0843, 6.4750,
1.6159

 111.8507,
163.2276, 116.0938

 0.6806, 3.1360,
0.3021

 141.5479,
201.7697, 148.0328

 0.0000, 1.2032,
0.0000

176.0848,

 0.0000, 0.0643,

245.9463, 185.3504

0.0000

215.8270,
296.1418, 228.4649

■ 0.0000, 0.0000,
0.0000

■ 23.1747, 41.5804,
22.4272

■ 23.1747, 41.5804,
22.4272

■ 23.1753, 41.5819,
22.4267

■ 23.9616, 41.9293,
25.0816

■ 25.0844, 42.4449,
27.9909

■ 26.6470, 43.1818,
31.1670

■ 28.7038, 44.1678,
34.6181

■ 31.3008, 45.4266,
38.3518

■ 34.4783, 46.9790,
42.3754

■ 38.2730, 48.8435,
46.6958

■ 42.7182, 51.0373,
51.3195

■ 47.8446, 53.5762,
56.2530

Harmonies

Analogous

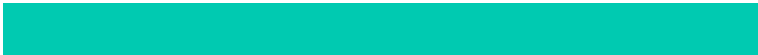
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8680, 41.5804, 10.5552



23.1747, 41.5804, 22.4272



21.5596, 41.5804, 48.4633

Triad

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



23.1747, 41.5804, 22.4272



40.6194, 41.5804, 140.1099



60.7062, 41.5804, 19.2139

Complementary

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



23.1747, 41.5804, 22.4272



24.9299, 12.6625, 9.7270

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.



65.4154, 41.5804, 42.2278



23.1747, 41.5804, 22.4272



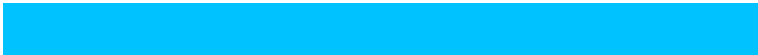
52.5169, 41.5804, 120.1594

Square

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



23.1747, 41.5804, 22.4272



30.4242, 41.5804, 126.2345



62.1668, 41.5804, 79.9591



50.2711, 41.5804, 9.4178

Rectangle

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



23.1747, 41.5804, 22.4272



22.7008, 41.5804, 74.0019



62.1668, 41.5804, 79.9591



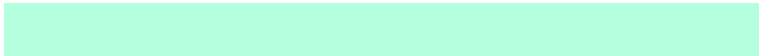
63.0925, 41.5804, 25.1492

Sweetspot

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



23.1758, 41.5821, 22.4282



67.4410, 86.3266, 82.3261



24.0150, 42.3590, 6.9107



13.7949, 18.1625, 16.9087



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.



23.1758, 41.5821, 22.4282



40.9114, 73.5806, 39.0469



27.5015, 38.6934, 59.4472



10.7468, 11.9876, 12.6170



15.1145, 27.0582, 14.8136



0.7515, 1.2955, 0.8898

Inverse Universe

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



24.9299, 12.6625, 9.7270



44.0260, 22.3744, 16.6007



23.4363, 12.2995, 1.1391



10.8197, 10.7113, 12.0339



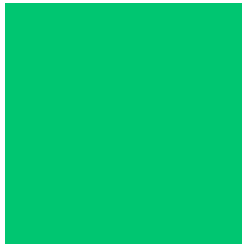
16.2528, 8.2507, 6.5409



0.8057, 0.4051, 0.5000

Previews

White Background



This preview shows how the XYZ color 23.1747, 41.5804, 22.4272 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 23.1747, 41.5804, 22.4272 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 23.1747, 41.5804, 22.4272

Background



This preview shows how black text looks on a background with the XYZ color 23.1747, 41.5804, 22.4272.

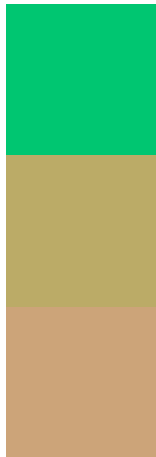


This preview shows how white text looks on a background with the XYZ color 23.1747, 41.5804,

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

23.1747, 41.5804, 22.4272

Protanopia

37.5046, 40.6699, 18.7053

Deuteranopia

41.6285, 40.7688, 23.7643



Tritanopia

31.5104, 41.6947, 62.8870

Trichromacy



Original Color

23.1747, 41.5804, 22.4272



Protanomaly

26.7855, 38.0312, 19.8389



Deuteranomaly

28.0013, 37.1045, 22.8256



Tritanomaly

27.2320, 41.1824, 44.5439

Monochromacy



Original Color

23.1747, 41.5804, 22.4272



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.6104, 26.3351, 22.8412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1747, 41.5804, 22.4272 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, 198, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 113)  
}
```

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, 198, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 113) }
```

Border

The CSS property to change the border of an element to XYZ 23.1747, 41.5804, 22.4272 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, 198, 113) }
```


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

```
.border{ border-color:rgb(0, 198, 113) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1747, 41.5804, 22.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 113) }
```

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

```
.background{ background-color: rgb(0, 198,  
113) }
```

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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