

Converting Colors

XYZ(24.5520, 41.0809, 31.4112)

Have a look what the booklet for
XYZ(24.5520, 41.0809, 31.4112)
contains.

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Color

**XYZ(24.5580, 41.0831,
31.4464)**

Conversions

Conversions Part 1

Format	Color
Hex	15C38C
RGB	21, 195, 140
RGB Percent	8%, 76%, 55%
CMY	0.9176, 0.2353, 0.4510
CMYK	0.89, 0.00, 0.28, 0.24
HSL	161°, 81%, 42%
HSV	161°, 89%, 76%
XYZ	24.5580, 41.0831, 31.4464
YIQ	136.7040, -86.0490, -53.9930

Conversions

Conversions Part 2

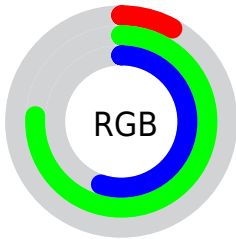
Format	Color
RYB	21, 124, 195
Decimal	1426316
CIELab	70.23, -53.24, 16.48
CIELCh	70, 55.731, 162.801
Yxy	41.0831, 0.2529, 0.4232
Android (android.graphics.Color)	4279616396 (0xFF15C38C)
YUV	136.7040, 1.6249, -101.4724
Hunter-Lab	64.0961, -43.7771, 15.7788

Details

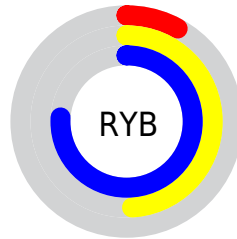
The XYZ color **24.5580, 41.0831, 31.4464** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.0799, 12.6613, 8.0147**, and the grayscale version is **23.6854, 24.9189, 27.1366**.

A 20% lighter version of the original color is **50.5718, 77.0887, 63.2531**, and **11.2235, 19.4944, 12.8441** is the 20% darker color. If you saturate the color by 10%, you get **23.8265, 40.7581, 29.1061**, and if you desaturate by 10%, it is **25.6122, 41.5736, 33.9365**.

Distribution



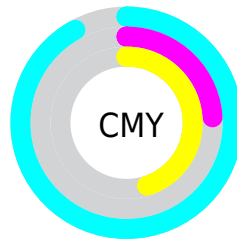
- Red (8%)
- Green (76%)
- Blue (55%)



- Red (8%)
- Yellow (49%)
- Blue (76%)



- Cyan (89%)
- Magenta (0%)
- Yellow (28%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5580, 41.0831, 31.4464 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 24.5580, 41.0831, 31.4464 by changing the saturation by 10% instead.


 24.5580, 41.0831,
31.4464


 24.5580, 41.0831,
31.4464

268.0180,
350.6678, 323.0043


 15.8750, 28.3840,
20.6777

 50.3873, 76.8100,
63.0300


 9.5261, 18.6153,
12.6997


 68.2644, 100.6067,
84.6820


 5.1457, 11.3927,
7.0938


 89.9369, 128.8713,
110.7988

 2.3686, 6.3316,
3.4415

 115.7702,
161.9883, 141.7990

 0.8294, 3.0477,
1.3242

 146.1295,
200.3420, 178.1011

 0.0000, 1.1567,
0.0815

181.3804,

 0.0000, 0.0259,

244.3169, 220.1236

0.0000

221.8881,
294.2974, 268.2852

■ 0.0000, 0.0000,
0.0000

■ 24.5580, 41.0831,
31.4464

■ 24.5580, 41.0831,
31.4464

■ 23.8265, 40.7581,
29.1061

■ 25.6122, 41.5736,
33.9365

■ 23.7743, 40.7351,
28.9303

■ 27.0747, 42.2706,
36.5799

■ 28.9974, 43.2017,
39.3820

■ 31.4235, 44.3893,
42.3467

■ 34.3909, 45.8528,
45.4779

■ 37.9340, 47.6100,
48.7790

■ 42.0842, 49.6769,
52.2535

■ 46.8704, 52.0684,
55.9045

■ 52.3199, 54.7986,
59.7351

Harmonies

Analogous

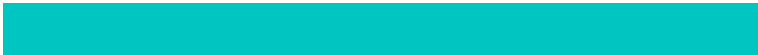
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2887, 41.0831, 17.0449



24.5580, 41.0831, 31.4464



24.3028, 41.0831, 56.8293

Triad

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



24.5580, 41.0831, 31.4464



43.0707, 41.0831, 113.8987



53.4050, 41.0831, 18.5200

Complementary

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



24.5580, 41.0831, 31.4464



24.0799, 12.6613, 8.0147

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.



58.8021, 41.0831, 34.4870



24.5580, 41.0831, 31.4464



52.2394, 41.0831, 92.7211

Square

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



24.5580, 41.0831, 31.4464



34.0816, 41.0831, 112.0461



58.3450, 41.0831, 61.3157



44.4754, 41.0831, 11.8324

Rectangle

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



24.5580, 41.0831, 31.4464



26.0671, 41.0831, 77.8906



58.3450, 41.0831, 61.3157



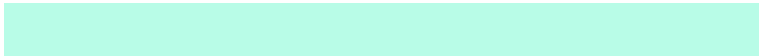
55.7507, 41.0831, 22.6412

Sweetspot

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



24.5591, 41.0847, 31.4474



69.1983, 85.8938, 88.4615



22.6405, 40.6268, 7.3586



14.6283, 18.5487, 18.9092



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.



24.5591, 41.0847, 31.4474



42.4605, 72.9072, 51.1905



23.2760, 30.3315, 56.2594



10.2286, 11.3725, 12.2073



15.4910, 26.4904, 19.0103



0.6994, 1.1566, 0.9798

Inverse Universe

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



24.0799, 12.6613, 8.0147



41.7488, 21.3559, 9.4731



23.9110, 14.1948, 2.1897



10.2015, 10.1292, 11.1514



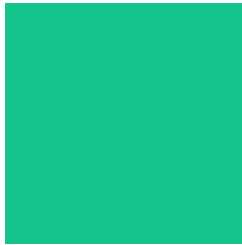
15.2203, 7.7779, 3.8062



0.6894, 0.3488, 0.3320

Previews

White Background



This preview shows how the XYZ color 24.5580, 41.0831, 31.4464 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 24.5580, 41.0831, 31.4464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

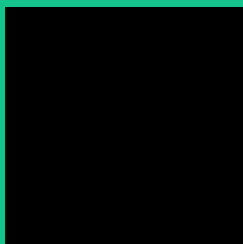
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

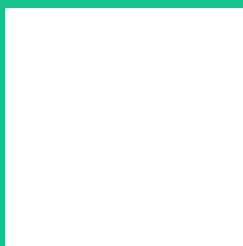
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5580, 41.0831, 31.4464

Background



This preview shows how black text looks on a background with the XYZ color 24.5580, 41.0831, 31.4464.

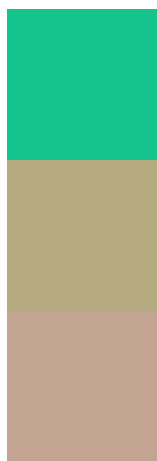


This preview shows how white text looks on a background with the XYZ color 24.5580, 41.0831,

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

24.5580, 41.0831, 31.4464

Protanopia

37.5624, 40.2530, 26.2119

Deuteranopia

41.0476, 40.2596, 33.2112



Tritanopia

30.7457, 40.9982, 62.1701

Trichromacy



Original Color

24.5580, 41.0831, 31.4464



Protanomaly

28.4533, 38.1171, 27.6875



Deuteranomaly

29.8797, 37.5791, 32.0642



Tritanomaly

27.8655, 40.7597, 49.0466

Monochromacy



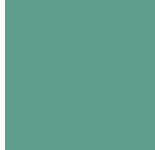
Original Color

24.5580, 41.0831, 31.4464



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5336, 28.7216, 28.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5580, 41.0831, 31.4464 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(21, 195, 140)` looks like.

```
.text, #text, p{  
    color:rgb(21, 195, 140)  
}
```

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(21, 195, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 195, 140) }
```

Border

The CSS property to change the border of an element to XYZ 24.5580, 41.0831, 31.4464 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(21, 195, 140) }
```


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

```
.border{ border-color:rgb(21, 195, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 195, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 195, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 195, 140);  
box-shadow:4px 4px 4px 4px rgb(21, 195,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5580, 41.0831, 31.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 195, 140) }
```

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

```
.background{ background-color: rgb(21, 195,  
140) }
```

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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