

Converting Colors

XYZ(24.6981, 41.5896, 32.2997)

Have a look what the booklet for
XYZ(24.6981, 41.5896, 32.2997)
contains.

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Color

**XYZ(24.6224, 41.4328,
32.2908)**

Conversions

Conversions Part 1

Format	Color
Hex	00C48E
RGB	0, 196, 142
RGB Percent	0%, 77%, 56%
CMY	0.9999, 0.2314, 0.4431
CMYK	1.00, 0.00, 0.28, 0.23
HSL	163°, 100%, 38%
HSV	163°, 100%, 77%
XYZ	24.6224, 41.4328, 32.2908
YIQ	131.2400, -99.4820, -58.3460

Conversions

Conversions Part 2

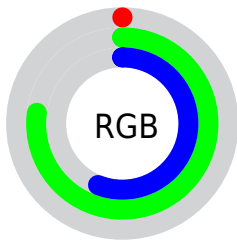
Format	Color
RYB	0, 114, 196
Decimal	50318
CIELab	70.48, -54.01, 15.73
CIELCh	70, 56.255, 163.766
Yxy	41.4328, 0.2504, 0.4213
Android (android.graphics.Color)	4278240398 (0xFF00C48E)
YUV	131.2400, 5.3047, -115.0975
Hunter-Lab	64.3683, -44.3641, 15.3146

Details

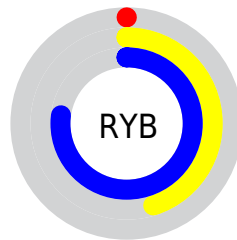
The XYZ color **24.6224, 41.4328, 32.2908** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.4324, 12.0032, 4.5747**, and the grayscale version is **21.6691, 22.7976, 24.8266**.

A 20% lighter version of the original color is **50.6611, 77.5785, 64.5286**, and **11.4566, 19.8225, 13.3475** is the 20% darker color. If you saturate the color by 10%, you get **24.6228, 41.4341, 32.2894**, and if you desaturate by 10%, it is **25.3196, 41.7453, 34.4928**.

Distribution



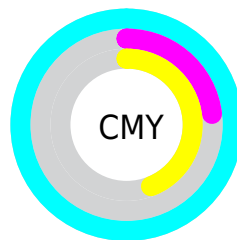
- Red (0%)
- Green (77%)
- Blue (56%)



- Red (0%)
- Yellow (45%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6224, 41.4328, 32.2908 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 24.6224, 41.4328, 32.2908 by changing the saturation by 10% instead.


 24.6224, 41.4328,
32.2908


 24.6224, 41.4328,
32.2908


268.3347,
352.1263, 326.9753


 15.9232, 28.6574,
21.3171


 50.4913, 77.3405,
64.3699


 9.5603, 18.8218,
13.1625


 68.3917, 101.2415,
86.3123


 5.1684, 11.5416,
7.4085


 90.0899, 129.6200,
112.7481

 2.3822, 6.4324,
3.6365

 115.9511,
162.8601, 144.0956

 0.8362, 3.1097,
1.4282

 146.3409,
201.3465, 180.7736

 0.0000, 1.1893,
0.1635

181.6245,

 0.0000, 0.0529,

245.4633, 223.2005

0.0000

222.1673,
295.5951, 271.7949

■ 0.0000, 0.0000,
0.0000

■ 24.6224, 41.4328,
32.2908

■ 24.6224, 41.4328,
32.2908

■ 24.6228, 41.4341,
32.2894

■ 25.3196, 41.7453,
34.4928

■ 26.3193, 42.2103,
36.8121

■ 27.7229, 42.8813,
39.2557

■ 29.5825, 43.7849,
41.8273

■ 31.9421, 44.9440,
44.5303

■ 34.8404, 46.3783,
47.3679

■ 38.3124, 48.1060,
50.3430

■ 42.3898, 50.1432,
53.4583

■ 47.1021, 52.5053,
56.7165

Harmonies

Analogous

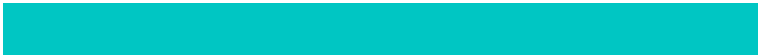
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2901, 41.4328, 17.3721



24.6224, 41.4328, 32.2908



24.4774, 41.4328, 58.3879

Triad

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



24.6224, 41.4328, 32.2908



43.7776, 41.4328, 115.1054



53.7112, 41.4328, 18.2082

Complementary

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



24.6224, 41.4328, 32.2908



23.4324, 12.0032, 4.5747

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.



59.3609, 41.4328, 34.0205



24.6224, 41.4328, 32.2908



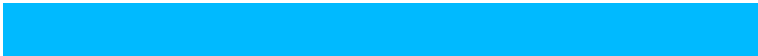
53.0462, 41.4328, 92.9502

Square

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



24.6224, 41.4328, 32.2908



34.6035, 41.4328, 114.0459



59.1000, 41.4328, 60.9472



44.5784, 41.4328, 11.7016

Rectangle

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



24.6224, 41.4328, 32.2908



26.3402, 41.4328, 79.8623



59.1000, 41.4328, 60.9472



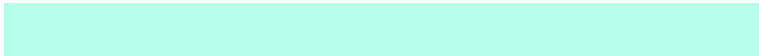
56.1402, 41.4328, 22.2676

Sweetspot

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



24.6235, 41.4344, 32.2918



69.0750, 86.9802, 90.9306



21.3466, 40.3091, 6.6560



14.1851, 18.3186, 18.9634



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.



24.6235, 41.4344, 32.2918



44.4892, 75.0117, 57.8872



21.4443, 26.9456, 56.2972



10.2463, 11.3796, 12.3003



15.8586, 26.6375, 20.9461



0.7131, 1.1621, 1.0517

Inverse Universe

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



23.4324, 12.0032, 4.5747



42.3538, 21.7055, 7.7953



23.6111, 13.4267, 1.3478



10.1847, 10.1225, 11.0631



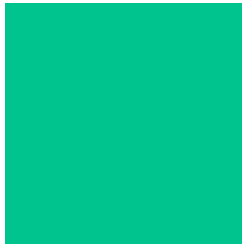
15.0871, 7.7246, 3.1050



0.6821, 0.3458, 0.2931

Previews

White Background



This preview shows how the XYZ color 24.6224, 41.4328, 32.2908 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 24.6224, 41.4328, 32.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

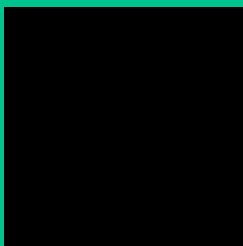
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

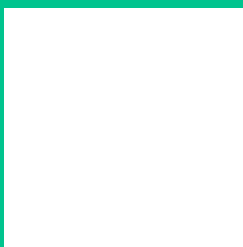
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6224, 41.4328, 32.2908

Background



This preview shows how black text looks on a background with the XYZ color 24.6224, 41.4328, 32.2908.



This preview shows how white text looks on a background with the XYZ color 24.6224, 41.4328,

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

24.6224, 41.4328, 32.2908

Protanopia

38.1206, 40.8048, 26.9860

Deuteranopia

41.6449, 40.8160, 34.1171



Tritanopia

30.8771, 41.3682, 62.8574

Trichromacy



Original Color

24.6224, 41.4328, 32.2908



Protanomaly

27.8268, 38.0768, 28.4372



Deuteranomaly

29.1711, 37.4860, 32.8922



Tritanomaly

27.8857, 41.0692, 50.1735

Monochromacy



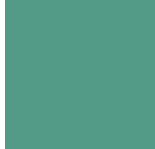
Original Color

24.6224, 41.4328, 32.2908



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.6618, 27.0310, 27.1029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6224, 41.4328, 32.2908 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, 196, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 142)  
}
```

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, 196, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 142) }
```

Border

The CSS property to change the border of an element to XYZ 24.6224, 41.4328, 32.2908 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, 196, 142) }
```


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

```
.border{ border-color:rgb(0, 196, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6224, 41.4328, 32.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 142) }
```

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

```
.background{ background-color: rgb(0, 196,  
142) }
```

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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