

Converting Colors

XYZ(24.6060, 40.2591, 30.9432)

Have a look what the booklet for
XYZ(24.6060, 40.2591, 30.9432)
contains.

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Color

**XYZ(24.5061, 40.0769,
30.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC08B
RGB	43, 192, 139
RGB Percent	17%, 75%, 55%
CMY	0.8313, 0.2470, 0.4549
CMYK	0.78, 0.00, 0.28, 0.25
HSL	159°, 63%, 46%
HSV	159°, 78%, 75%
XYZ	24.5061, 40.0769, 30.8701
YIQ	141.4070, -71.7910, -48.0710

Conversions

Conversions Part 2

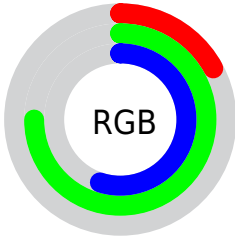
Format	Color
RYB	43, 134, 192
Decimal	2867339
CIELab	69.52, -50.40, 16.07
CIELCh	70, 52.903, 162.319
Yxy	40.0769, 0.2567, 0.4199
Android (android.graphics.Color)	4281057419 (0xFF2BC08B)
YUV	141.4070, -1.1867, -86.3029
Hunter-Lab	63.3063, -41.6881, 15.4028

Details

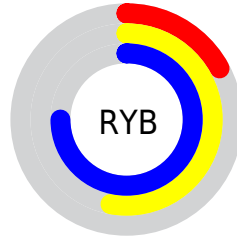
The XYZ color **24.5061, 40.0769, 30.8701** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **24.7148, 13.7798, 12.4254**, and the grayscale version is **25.5033, 26.8314, 29.2194**.

A 20% lighter version of the original color is **50.1834, 75.0464, 62.2925**, and **10.7488, 18.6126, 12.4773** is the 20% darker color. If you saturate the color by 10%, you get **23.3990, 39.5631, 28.2947**, and if you desaturate by 10%, it is **26.0251, 40.8015, 33.6294**.

Distribution



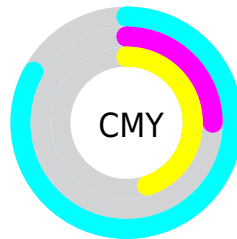
- Red (17%)
- Green (75%)
- Blue (55%)



- Red (17%)
- Yellow (53%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (83%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5061, 40.0769, 30.8701 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 24.5061, 40.0769, 30.8701 by changing the saturation by 10% instead.


 24.5061, 40.0769,
30.8701


 24.5061, 40.0769,
30.8701


267.7625,
346.4476, 320.2721


 15.8362, 27.5985,
20.2423

 50.3035, 75.2806,
62.1127

 9.4985, 18.0232,
12.3855


 68.1618, 98.7747,
83.5646


 5.1274, 10.9667,
6.8811


 89.8136, 126.7095,
109.4615

 2.3577, 6.0444,
3.3105

 115.6242,
159.4694, 140.2222

 0.8240, 2.8721,
1.2553

 145.9591,
197.4387, 176.2650

 0.0000, 1.0653,
0.0247

181.1835,

 0.0000, 0.0000,

241.0019, 218.0086

0.0000

221.6629,
290.5434, 265.8714

■ 24.5061, 40.0769,
30.8701

■ 24.5061, 40.0769,
30.8701

■ 23.3990, 39.5631,
28.2947

■ 26.0251, 40.8015,
33.6294

■ 22.6315, 39.2198,
25.8941

■ 28.0005, 41.7567,
36.5748

■ 22.4697, 39.1484,
25.3427

■ 30.4741, 42.9650,
39.7120

■ 33.4819, 44.4450,
43.0453

■ 37.0566, 46.2133,
46.5791

■ 41.2282, 48.2854,
50.3172

■ 46.0245, 50.6756,
54.2636

■ 51.4714, 53.3972,
58.4219

■ 57.5934, 56.4627,
62.7958

Harmonies

Analogous

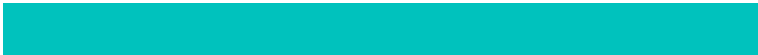
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.0833, 40.0769, 17.3071



24.5061, 40.0769, 30.8701



24.2114, 40.0769, 54.4440

Triad

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



24.5061, 40.0769, 30.8701



41.6990, 40.0769, 107.4848



51.5500, 40.0769, 19.0391

Complementary

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



24.5061, 40.0769, 30.8701



24.7148, 13.7798, 12.4254

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.



56.4651, 40.0769, 34.3639



24.5061, 40.0769, 30.8701



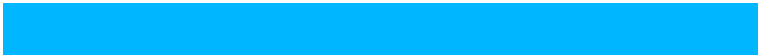
50.2340, 40.0769, 88.3918

Square

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



24.5061, 40.0769, 30.8701



33.3250, 40.0769, 105.4239



55.9504, 40.0769, 59.5125



43.2930, 40.0769, 12.4418

Rectangle

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



24.5061, 40.0769, 30.8701



25.8458, 40.0769, 73.8711



55.9504, 40.0769, 59.5125



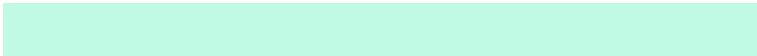
53.6996, 40.0769, 23.0354

Sweetspot

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



24.5072, 40.0785, 30.8710



70.2064, 85.2534, 87.2169



24.2846, 40.4517, 8.8142



14.4931, 18.0076, 18.1889



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5072, 40.0785, 30.8710



41.3908, 71.2313, 48.2372



25.2899, 33.8768, 55.0769



10.2115, 11.3656, 12.1170



15.1573, 26.3570, 17.2533



0.6867, 1.1515, 0.9131

Inverse Universe

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



24.7148, 13.7798, 12.4254



41.9049, 21.6452, 14.0679



23.9456, 14.9223, 3.9043



10.2179, 10.1358, 11.2380



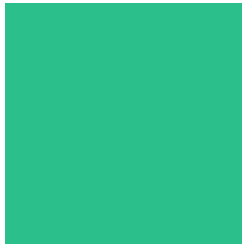
15.3697, 7.8376, 4.5929



0.6971, 0.3519, 0.3724

Previews

White Background



This preview shows how the XYZ color 24.5061, 40.0769, 30.8701 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 24.5061, 40.0769, 30.8701 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

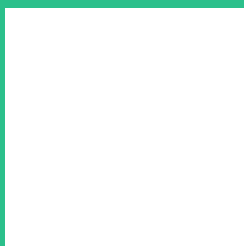
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5061, 40.0769, 30.8701

Background



This preview shows how black text looks on a background with the XYZ color 24.5061, 40.0769, 30.8701.

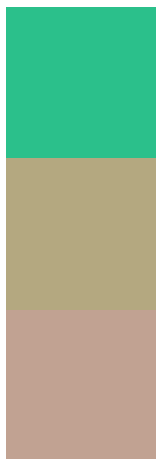


This preview shows how white text looks on a background with the XYZ color 24.5061, 40.0769,

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

24.5061, 40.0769, 30.8701

Protanopia

36.7213, 39.2671, 26.0660

Deuteranopia

40.1010, 39.2534, 32.6573



Tritanopia

30.2733, 39.8603, 60.1311

Trichromacy



Original Color

24.5061, 40.0769, 30.8701



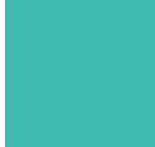
Protanomaly

29.0929, 37.8561, 27.6034



Deuteranomaly

30.3827, 37.2736, 31.5798



Tritanomaly

27.7560, 39.7717, 47.8088

Monochromacy



Original Color

24.5061, 40.0769, 30.8701



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.1301, 30.0383, 29.3898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5061, 40.0769, 30.8701 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(43, 192, 139)` looks like.

```
.text, #text, p{  
    color:rgb(43, 192, 139)  
}
```

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(43, 192, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 192, 139) }
```

Border

The CSS property to change the border of an element to XYZ 24.5061, 40.0769, 30.8701 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(43, 192, 139) }
```


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

```
.border{ border-color:rgb(43, 192, 139) }
```

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

Here you see how a box with a 4 pixel rgb(43, 192, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 192, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 192, 139);  
box-shadow:4px 4px 4px 4px rgb(43, 192,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5061, 40.0769, 30.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 192, 139) }
```

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

```
.background{ background-color: rgb(43, 192,  
139) }
```

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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