

Converting Colors

XYZ(17.0335, 36.2653, 34.7028)

Have a look what the booklet for
XYZ(17.0335, 36.2653, 34.7028)
contains.

| | |
|--|----|
| XYZ(24.2745, 39.8692, 34.8499) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(24.2745, 39.8692,
34.8499)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C095 |
| RGB | 0, 192, 149 |
| RGB Percent | 0%, 75%, 58% |
| CMY | 0.9999, 0.2470, 0.4157 |
| CMYK | 1.00, 0.00, 0.22, 0.25 |
| HSL | 167°, 100%, 38% |
| HSV | 167°, 100%, 75% |
| XYZ | 24.2745, 39.8692, 34.8499 |
| YIQ | 129.6900, -100.6290, -54.0770 |

Conversions

Conversions Part 2

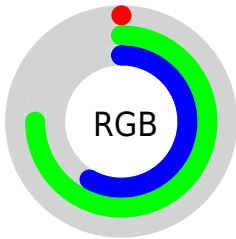
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 108, 192 |
| Decimal | 49301 |
| CIELab | 69.38, -50.77, 10.39 |
| CIELCh | 69, 51.824, 168.431 |
| Yxy | 39.8692, 0.2452, 0.4027 |
| Android (android.graphics.Color) | 4278239381 (0xFF00C095) |
| YUV | 129.6900, 9.5198, -113.7381 |
| Hunter-Lab | 63.1421, -41.8756, 11.4756 |

Details

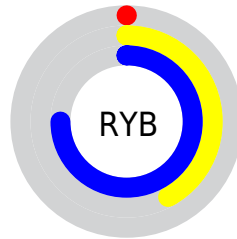
The XYZ color **24.2745, 39.8692, 34.8499** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.1759, 11.3821, 3.3165**, and the grayscale version is **21.1050, 22.2041, 24.1802**.

A 20% lighter version of the original color is **49.8008, 74.7158, 68.2967**, and **11.1503, 18.7732, 14.5912** is the 20% darker color. If you saturate the color by 10%, you get **24.2747, 39.8704, 34.8482**, and if you desaturate by 10%, it is **24.8981, 40.1513, 36.7058**.

Distribution



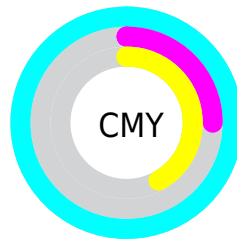
- Red (0%)
- Green (75%)
- Blue (58%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2745, 39.8692, 34.8499 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 24.2745, 39.8692, 34.8499 by changing the saturation by 10% instead.


 24.2745, 39.8692,
34.8499


 24.2745, 39.8692,
34.8499


266.6201,
345.5720, 338.7894


 15.6632, 27.4366,
23.2646


 49.9292, 74.9643,
68.4021


 9.3755, 17.9014,
14.5819


 67.7033, 98.3956,
91.2061


 5.0460, 10.8792,
8.3831


 89.2624, 126.2618,
118.5868

 2.3093, 5.9857,
4.2498

 114.9718,
158.9475, 150.9628

 0.7994, 2.8364,
1.7634

 145.1970,
196.8369, 188.7524

 0.0000, 1.0469,
0.4036

180.3032,

 0.0000, 0.0000,

240.3146, 232.3744

0.0000

220.6558,
289.7648, 282.2472

■ 24.2745, 39.8692,
34.8499

■ 24.2745, 39.8692,
34.8499

■ 24.2747, 39.8704,
34.8482

■ 24.8981, 40.1513,
36.7058

■ 25.8030, 40.5758,
38.6409

■ 27.0868, 41.1943,
40.6613

■ 28.7988, 42.0320,
42.7701

■ 30.9809, 43.1104,
44.9697

■ 33.6696, 44.4486,
47.2626

■ 36.8980, 46.0633,
49.6510

■ 40.6962, 47.9703,
52.1369

■ 45.0922, 50.1838,
54.7222

Harmonies

Analogous

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



27.1344, 39.8692, 19.5417



24.2745, 39.8692, 34.8499



24.6450, 39.8692, 59.5808

Triad

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



24.2745, 39.8692, 34.8499



43.1850, 39.8692, 103.0552



49.5406, 39.8692, 17.3496

Complementary

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



24.2745, 39.8692, 34.8499



22.1759, 11.3821, 3.3165

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.



55.2024, 39.8692, 30.4680



24.2745, 39.8692, 34.8499



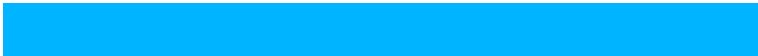
51.1786, 39.8692, 81.4932

Square

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



24.2745, 39.8692, 34.8499



34.7737, 39.8692, 105.6040



55.8422, 39.8692, 53.2700



41.1966, 39.8692, 12.2038

Rectangle

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



24.2745, 39.8692, 34.8499



26.6860, 39.8692, 78.6020



55.8422, 39.8692, 53.2700



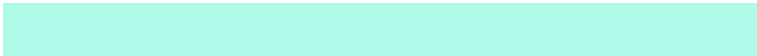
51.8700, 39.8692, 20.6930

Sweetspot

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



24.2756, 39.8708, 34.8508



66.5413, 83.3043, 89.7433



19.9248, 38.2545, 6.3345



13.7201, 17.5936, 18.8545



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.



24.2756, 39.8708, 34.8508



43.8836, 72.2007, 62.6173



19.0119, 22.7998, 53.2697



10.2689, 11.3886, 12.4191



16.3641, 26.8397, 23.6082



0.7314, 1.1694, 1.1484

Inverse Universe

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



22.1759, 11.3821, 3.3165



40.1017, 20.5908, 5.5992



22.9327, 13.5940, 1.4160



10.1635, 10.1140, 10.9517



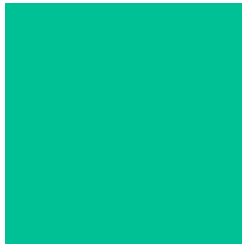
14.9457, 7.6680, 2.3602



0.6727, 0.3421, 0.2438

Previews

White Background



This preview shows how the XYZ color 24.2745, 39.8692, 34.8499 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 24.2745, 39.8692, 34.8499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

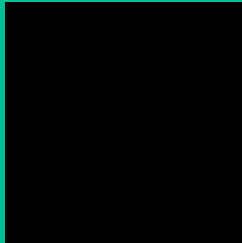
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.2745, 39.8692, 34.8499

Background



This preview shows how black text looks on a background with the XYZ color 24.2745, 39.8692, 34.8499.



This preview shows how white text looks on a background with the XYZ color 24.2745, 39.8692,

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

24.2745, 39.8692, 34.8499

Protanopia

36.8781, 39.2764, 29.3043

Deuteranopia

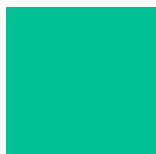
39.9073, 39.0598, 36.8884



Tritanopia

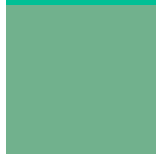
29.6378, 39.8287, 60.7692

Trichromacy



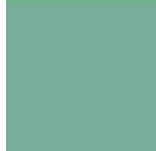
Original Color

24.2745, 39.8692, 34.8499



Protanomaly

27.3399, 36.8781, 30.8765



Deuteranomaly

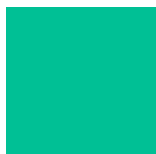
28.4391, 36.1801, 35.6216



Tritanomaly

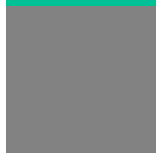
27.1230, 39.7147, 49.9522

Monochromacy



Original Color

24.2745, 39.8692, 34.8499



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.4739, 26.4276, 27.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2745, 39.8692, 34.8499 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, 192, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 149)  
}
```

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, 192, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 149) }
```

Border

The CSS property to change the border of an element to XYZ 24.2745, 39.8692, 34.8499 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, 192, 149) }
```


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

```
.border{ border-color:rgb(0, 192, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2745, 39.8692, 34.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 149) }
```

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

```
.background{ background-color: rgb(0, 192,  
149) }
```

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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