

Converting Colors

XYZ(23.5944, 41.7598, 28.4141)

Have a look what the booklet for
XYZ(23.5944, 41.7598, 28.4141)
contains.

XYZ(24.2908, 42.0269, 28.3045)	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(24.2908, 42.0269,
28.3045)**

Conversions

Conversions Part 1

Format	Color
Hex	00C683
RGB	0, 198, 131
RGB Percent	0%, 78%, 51%
CMY	0.9999, 0.2235, 0.4863
CMYK	1.00, 0.00, 0.34, 0.22
HSL	160°, 100%, 39%
HSV	160°, 100%, 78%
XYZ	24.2908, 42.0269, 28.3045
YIQ	131.1600, -96.5010, -62.8130

Conversions

Conversions Part 2

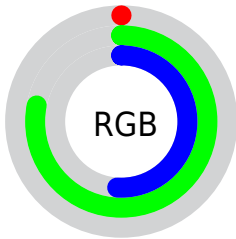
Format	Color
RYB	0, 119, 198
Decimal	50819
CIELab	70.89, -57.22, 22.17
CIElCh	71, 61.366, 158.825
Yxy	42.0269, 0.2567, 0.4442
Android (android.graphics.Color)	4278240899 (0xFF00C683)
YUV	131.1600, -0.0789, -115.0273
Hunter-Lab	64.8282, -46.5662, 19.4932

Details

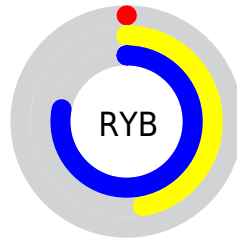
The XYZ color **24.2908, 42.0269, 28.3045** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.3033, 12.4119, 6.4273**, and the grayscale version is **21.6575, 22.7854, 24.8133**.

A 20% lighter version of the original color is **49.6673, 77.6900, 57.7253**, and **11.3077, 20.2390, 11.0951** is the 20% darker color. If you saturate the color by 10%, you get **24.2914, 42.0284, 28.3039**, and if you desaturate by 10%, it is **25.0455, 42.3629, 30.7889**.

Distribution



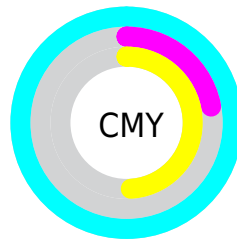
- Red (0%)
- Green (78%)
- Blue (51%)



- Red (0%)
- Yellow (47%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2908, 42.0269, 28.3045 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 24.2908, 42.0269, 28.3045 by changing the saturation by 10% instead.


 24.2908, 42.0269,
28.3045


 24.2908, 42.0269,
28.3045


266.7007,
354.5944, 307.8767


 15.6754, 29.1224,
18.3143

 49.9556, 78.2403,
57.9992


 9.3841, 19.1734,
11.0041


 67.7356, 102.3180,
78.5407


 5.0517, 11.7956,
5.9554


 89.3012, 130.8889,
103.4364

 2.3127, 6.6047,
2.7496

 115.0178,
164.3373, 133.1048

 0.8011, 3.2161,
0.9683

 145.2507,
203.0476, 167.9646

 0.0000, 1.2456,
0.0000

180.3652,

 0.0000, 0.0985,

247.4044, 208.4341

0.0000

220.7268,
297.7918, 254.9319

■ 0.0000, 0.0000,
0.0000

■ 24.2908, 42.0269,
28.3045

■ 24.2908, 42.0269,
28.3045

■ 24.2914, 42.0284,
28.3039

■ 25.0455, 42.3629,
30.7889

■ 26.1199, 42.8591,
33.4434

■ 27.6175, 43.5700,
36.2766

■ 29.5919, 44.5231,
39.2937

■ 32.0886, 45.7418,
42.4993

■ 35.1475, 47.2467,
45.8979

■ 38.8047, 49.0562,
49.4936

■ 43.0928, 51.1872,
53.2904

■ 48.0424, 53.6554,
57.2921

Harmonies

Analogous

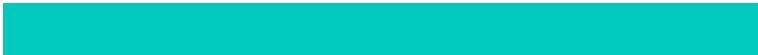
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8564, 42.0269, 14.4438



24.2908, 42.0269, 28.3045



23.5144, 42.0269, 54.9405

Triad

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



24.2908, 42.0269, 28.3045



43.0339, 42.0269, 126.8564



57.2784, 42.0269, 18.7838

Complementary

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



24.2908, 42.0269, 28.3045



24.3033, 12.4119, 6.4273

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.



62.6593, 42.0269, 37.6640



24.2908, 42.0269, 28.3045



53.5633, 42.0269, 105.0387

Square

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



24.2908, 42.0269, 28.3045



33.2641, 42.0269, 120.7768



61.1948, 42.0269, 69.2272



47.4661, 42.0269, 10.8023

Rectangle

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



24.2908, 42.0269, 28.3045



25.0941, 42.0269, 78.5793



61.1948, 42.0269, 69.2272



59.7354, 42.0269, 23.6500

Sweetspot

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



24.2919, 42.0286, 28.3055



68.3935, 86.7076, 87.3422



22.6712, 41.6663, 6.8479



14.0219, 18.2533, 18.1038



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.



24.2919, 42.0286, 28.3055



42.8939, 74.3736, 49.4865



24.2526, 32.1954, 58.3642



10.7883, 12.0042, 12.8352



15.8380, 27.3476, 18.6234



0.7828, 1.3080, 1.0547

Inverse Universe

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



24.3033, 12.4119, 6.4273



42.9316, 21.9366, 10.8377



23.7467, 12.9203, 1.2426



10.7795, 10.6952, 11.8221



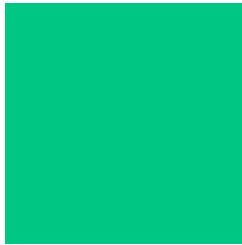
15.8403, 8.0857, 4.3690



0.7840, 0.3964, 0.3856

Previews

White Background



This preview shows how the XYZ color 24.2908, 42.0269, 28.3045 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 24.2908, 42.0269, 28.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

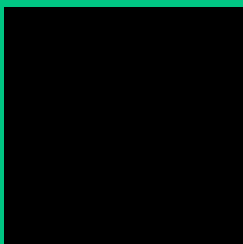
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

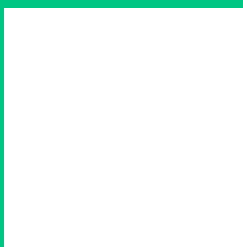
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2908, 42.0269, 28.3045

Background



This preview shows how black text looks on a background with the XYZ color 24.2908, 42.0269, 28.3045.

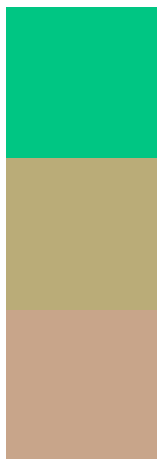


This preview shows how white text looks on a background with the XYZ color 24.2908, 42.0269,

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

24.2908, 42.0269, 28.3045

Protanopia

38.3924, 41.3002, 23.7175

Deuteranopia

41.8620, 41.0246, 29.7569



Tritanopia

31.5509, 42.0200, 63.5745

Trichromacy



Original Color

24.2908, 42.0269, 28.3045



Protanomaly

27.6332, 38.3545, 25.0155



Deuteranomaly

28.8477, 37.7056, 28.6791



Tritanomaly

27.8242, 41.4091, 48.1212

Monochromacy



Original Color

24.2908, 42.0269, 28.3045



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.3854, 26.9204, 25.6472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2908, 42.0269, 28.3045 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 131) }
```

Border

The CSS property to change the border of an element to XYZ 24.2908, 42.0269, 28.3045 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, 131) }
```


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

```
.border{ border-color:rgb(0, 198, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2908, 42.0269, 28.3045 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, 131) }
```

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

```
.background{ background-color: rgb(0, 198,  
131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor