

Converting Colors

XYZ(30.0287, 48.4083, 41.0609)

Have a look what the booklet for
XYZ(30.0287, 48.4083, 41.0609)
contains.

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Color

**XYZ(29.8973, 48.1634,
40.9784)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD0A0
RGB	43, 208, 160
RGB Percent	17%, 82%, 63%
CMY	0.8313, 0.1843, 0.3725
CMYK	0.79, 0.00, 0.23, 0.18
HSL	163°, 66%, 49%
HSV	163°, 79%, 82%
XYZ	29.8973, 48.1634, 40.9784
YIQ	153.1930, -82.9320, -49.9080

Conversions

Conversions Part 2

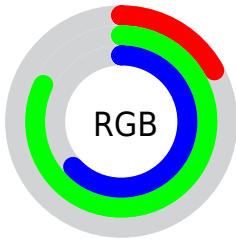
Format	Color
RYB	43, 140, 208
Decimal	2871456
CIELab	74.93, -51.89, 12.37
CIELCh	75, 53.342, 166.587
Yxy	48.1634, 0.2512, 0.4046
Android (android.graphics.Color)	4281061536 (0xFF2BD0A0)
YUV	153.1930, 3.3559, -96.6393
Hunter-Lab	69.3999, -44.5524, 13.5710

Details

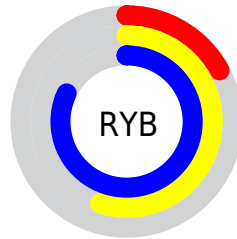
The XYZ color **29.8973, 48.1634, 40.9784** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.7663, 15.8942, 11.4515**, and the grayscale version is **30.3757, 31.9576, 34.8018**.

A 20% lighter version of the original color is **55.2282, 80.1393, 76.8476**, and **13.9350, 23.5392, 17.9964** is the 20% darker color. If you saturate the color by 10%, you get **28.7208, 47.6178, 38.2276**, and if you desaturate by 10%, it is **31.5464, 48.9521, 43.8880**.

Distribution



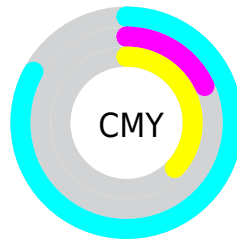
- Red (17%)
- Green (82%)
- Blue (63%)



- Red (17%)
- Yellow (55%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (23%)
- Black (18%)





- Cyan (83%)
- Magenta (18%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8973, 48.1634, 40.9784 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 29.8973, 48.1634, 40.9784 by changing the saturation by 10% instead.


 29.8973, 48.1634,
40.9784


 29.8973, 48.1634,
40.9784


293.3439,
379.4394, 365.9043


 19.9083, 33.9563,
27.9826


 58.8875, 87.4476,
77.9044


 12.4363, 22.8600,
18.0736


 78.6194, 113.2936,
102.6717


 7.1159, 14.4902,
10.8329


 102.3297,
143.7879, 132.2000

 3.5816, 8.4624,
5.8418

 130.3836,
179.3150, 166.9078

 1.4683, 4.3922,
2.6819

 163.1467,
220.2594, 207.2135

 0.3041, 1.8953,
0.9343

200.9842,

 0.0000, 0.5455,

267.0053, 253.5358

0.0000

244.2615,
319.9372, 306.2932

■ 0.0000, 0.0000,
0.0000

■ 29.8973, 48.1634,
40.9784

■ 29.8973, 48.1634,
40.9784

■ 28.7208, 47.6178,
38.2276

■ 31.5464, 48.9521,
43.8880

■ 27.9116, 47.2574,
35.6256

■ 33.7240, 50.0090,
46.9576

■ 27.8617, 47.2354,
35.4545

■ 36.4821, 51.3621,
50.1927

■ 39.8653, 53.0343,
53.5969

■ 43.9136, 55.0464,
57.1741

■ 48.6639, 57.4171,
60.9275

■ 54.1500, 60.1639,
64.8605

■ 60.4036, 63.3031,
68.9763

■ 67.4546, 66.8501,
73.2777

Harmonies

Analogous

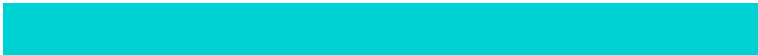
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4984, 48.1634, 23.5849



29.8973, 48.1634, 40.9784



30.0994, 48.1634, 69.2550

Triad

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



29.8973, 48.1634, 40.9784



51.3235, 48.1634, 122.2925



59.8625, 48.1634, 22.3758

Complementary

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



29.8973, 48.1634, 40.9784



28.7663, 15.8942, 11.4515

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.



66.1295, 48.1634, 38.5970



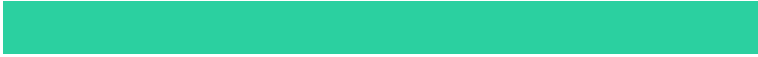
29.8973, 48.1634, 40.9784



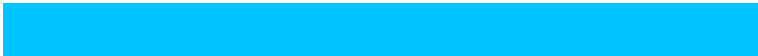
60.7420, 48.1634, 98.5041

Square

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



29.8973, 48.1634, 40.9784



41.5774, 48.1634, 123.6467



66.4724, 48.1634, 65.8654



50.2521, 48.1634, 15.7041

Rectangle

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



29.8973, 48.1634, 40.9784



32.3500, 48.1634, 91.2558



66.4724, 48.1634, 65.8654



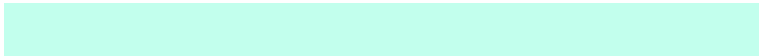
62.4860, 48.1634, 26.5690

Sweetspot

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



29.8986, 48.1653, 40.9795



73.2714, 89.0887, 93.6045



27.4573, 47.5894, 10.0248



15.1176, 18.7866, 19.5799



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.



29.8986, 48.1653, 40.9795



44.6290, 75.0863, 57.7762



27.7130, 35.7296, 65.1126



12.0057, 13.3460, 14.3862



17.4081, 29.4562, 22.3272



1.0069, 1.6604, 1.4253

Inverse Universe

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



28.7663, 15.8942, 11.4515



42.9509, 22.1695, 10.2450



29.0345, 18.7547, 4.3760



11.9482, 11.8640, 13.0029



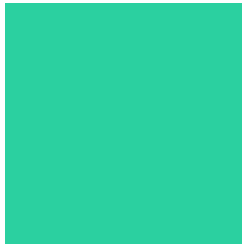
16.7660, 8.5792, 3.6739



0.9721, 0.4935, 0.3877

Previews

White Background



This preview shows how the XYZ color 29.8973, 48.1634, 40.9784 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 29.8973, 48.1634, 40.9784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

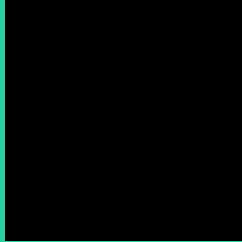
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

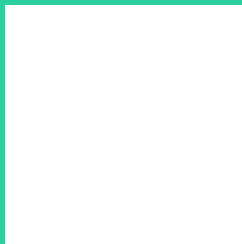
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8973, 48.1634, 40.9784

Background



This preview shows how black text looks on a background with the XYZ color 29.8973, 48.1634, 40.9784.

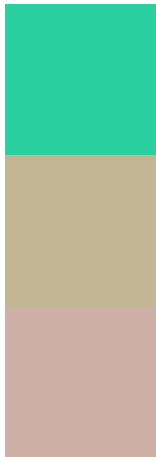


This preview shows how white text looks on a background with the XYZ color 29.8973, 48.1634,

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

29.8973, 48.1634, 40.9784

Protanopia

44.3214, 47.0633, 34.7651

Deuteranopia

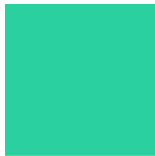
47.9540, 46.9625, 43.0964



Tritanopia

36.1592, 47.8548, 72.9768

Trichromacy



Original Color

29.8973, 48.1634, 40.9784



Protanomaly

34.9458, 45.0176, 36.5532



Deuteranomaly

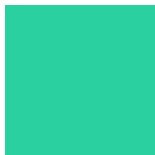
36.7167, 44.8498, 41.8437



Tritanomaly

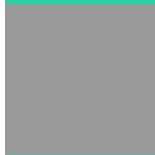
33.4341, 47.7874, 59.6863

Monochromacy



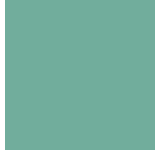
Original Color

29.8973, 48.1634, 40.9784



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.7544, 35.7982, 36.8994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8973, 48.1634, 40.9784 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, 208, 160)` looks like.

```
.text, #text, p{  
    color:rgb(43, 208, 160)  
}
```

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, 208, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 208, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.8973, 48.1634, 40.9784 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, 208, 160) }
```


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

```
.border{ border-color:rgb(43, 208, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 208, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 208, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 208, 160);  
box-shadow:4px 4px 4px 4px rgb(43, 208,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8973, 48.1634, 40.9784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 208, 160) }
```

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

```
.background{ background-color: rgb(43, 208,  
160) }
```

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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