

Converting Colors

XYZ(30.0152, 44.9146, 52.4152)

Have a look what the booklet for
XYZ(30.0152, 44.9146, 52.4152)
contains.

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Color

**XYZ(29.9502, 44.7587,
52.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	28C7B8
RGB	40, 199, 184
RGB Percent	16%, 78%, 72%
CMY	0.8431, 0.2196, 0.2784
CMYK	0.80, 0.00, 0.08, 0.22
HSL	174°, 67%, 47%
HSV	174°, 80%, 78%
XYZ	29.9502, 44.7587, 52.4081
YIQ	149.7490, -89.9490, -38.3730

Conversions

Conversions Part 2

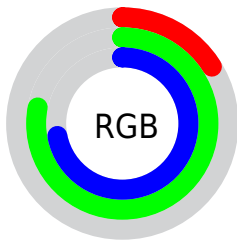
Format	Color
RYB	40, 123, 199
Decimal	2672568
CIELab	72.73, -42.22, -3.75
CIELCh	73, 42.391, 185.077
Yxy	44.7587, 0.2356, 0.3521
Android (android.graphics.Color)	4280862648 (0xFF28C7B8)
YUV	149.7490, 16.8857, -96.2499
Hunter-Lab	66.9019, -37.1688, 0.3861

Details

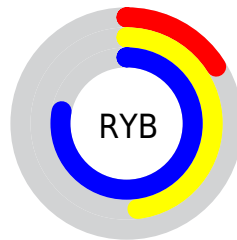
The XYZ color **29.9502, 44.7587, 52.4081** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.0031, 13.9368, 4.9882**, and the grayscale version is **28.8430, 30.3451, 33.0458**.

A 20% lighter version of the original color is **58.5584, 81.4561, 95.0743**, and **14.0700, 21.5852, 24.8975** is the 20% darker color. If you saturate the color by 10%, you get **29.1712, 44.3807, 51.3519**, and if you desaturate by 10%, it is **31.1323, 45.3462, 53.4989**.

Distribution



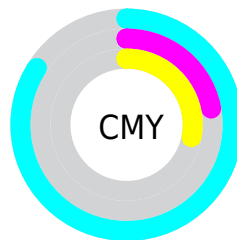
- Red (16%)
- Green (78%)
- Blue (72%)



- Red (16%)
- Yellow (48%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (84%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9502, 44.7587, 52.4081 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 29.9502, 44.7587, 52.4081 by changing the saturation by 10% instead.

■ 29.9502, 44.7587,
52.4081

■ 29.9502, 44.7587,
52.4081

293.5862,
365.7954, 413.0118

■ 19.9487, 31.2674,
36.9460

■ 58.9706, 82.3582,
95.1655

■ 12.4658, 20.8026,
24.8702

■ 78.7202, 107.2352,
123.2979

■ 7.1362, 12.9798,
15.7622

■ 102.4498,
136.6762, 156.4908

■ 3.5945, 7.4146,
9.2035

■ 130.5248,
171.0656, 195.1628

■ 1.4754, 3.7227,
4.7756

■ 163.3106,
210.7879, 239.7323

■ 0.3090, 1.5197,
2.0598

201.1726,

■ 0.0000, 0.3025,

256.2273, 290.6179

0.5917

244.4760,
307.7684, 348.2383

■ 0.0000, 0.0000,
0.0000

■ 29.9502, 44.7587,
52.4081

■ 29.9502, 44.7587,
52.4081

■ 29.1712, 44.3807,
51.3519

■ 31.1323, 45.3462,
53.4989

■ 28.6901, 44.1550,
50.3221

■ 32.7674, 46.1659,
54.6235

■ 28.6855, 44.1528,
50.3114

■ 34.9022, 47.2430,
55.7853

■ 37.5766, 48.5979,
56.9861

■ 40.8265, 50.2491,
58.2277

■ 44.6847, 52.2137,
59.5117

■ 49.1816, 54.5072,
60.8394

■ 54.3453, 57.1442,
62.2125

■ 60.2026, 60.1383,
63.6320

Harmonies

Analogous

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



30.9599, 44.7587, 33.5788



29.9502, 44.7587, 52.4081



31.9838, 44.7587, 75.9193

Triad

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



29.9502, 44.7587, 52.4081



51.1995, 44.7587, 89.9747



48.7855, 44.7587, 20.4545

Complementary

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



29.9502, 44.7587, 52.4081



25.0031, 13.9368, 4.9882

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.



55.1999, 44.7587, 28.9642



29.9502, 44.7587, 52.4081



56.7025, 44.7587, 67.8772

Square

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



29.9502, 44.7587, 52.4081



43.8059, 44.7587, 101.2489



58.2445, 44.7587, 45.2369



41.3023, 44.7587, 18.4949

Rectangle

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



29.9502, 44.7587, 52.4081



34.9468, 44.7587, 90.0685



58.2445, 44.7587, 45.2369



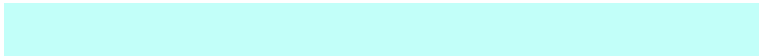
51.1644, 44.7587, 22.4934

Sweetspot

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



29.9515, 44.7604, 52.4092



75.0909, 89.8165, 103.1856



22.4332, 41.8398, 8.9019



15.5606, 18.9638, 21.9128



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.



29.9515, 44.7604, 52.4092



50.4392, 77.4064, 88.5533



19.9054, 22.0165, 57.2353



10.9019, 12.0496, 13.4336



18.4623, 28.3973, 32.4427



0.8871, 1.3498, 1.6040

Inverse Universe

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



25.0031, 13.9368, 4.9882



41.6294, 21.5929, 3.4346



28.8481, 22.1176, 4.7571



10.6738, 10.6529, 11.2657



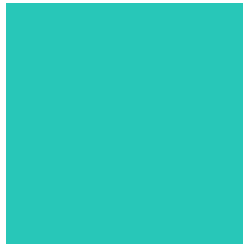
15.2343, 7.8433, 1.1780



0.7356, 0.3771, 0.1307

Previews

White Background



This preview shows how the XYZ color 29.9502, 44.7587, 52.4081 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 29.9502, 44.7587, 52.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

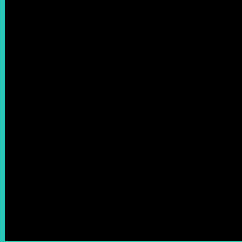
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

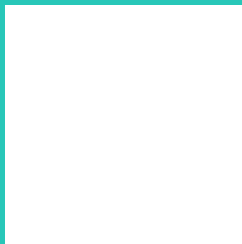
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9502, 44.7587, 52.4081

Background



This preview shows how black text looks on a background with the XYZ color 29.9502, 44.7587, 52.4081.

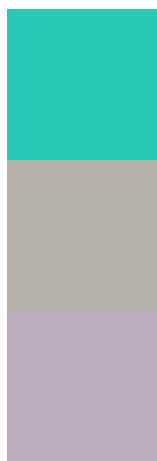


This preview shows how white text looks on a background with the XYZ color 29.9502, 44.7587,

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

29.9502, 44.7587, 52.4081

Protanopia

42.1674, 43.9360, 44.7861

Deuteranopia

44.7858, 43.9141, 54.8310



Tritanopia

33.1365, 44.6940, 68.5084

Trichromacy



Original Color

29.9502, 44.7587, 52.4081



Protanomaly

34.1829, 42.1614, 47.4106



Deuteranomaly

35.6366, 42.1551, 53.8354



Tritanomaly

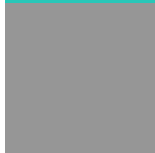
31.7507, 44.4538, 62.1653

Monochromacy



Original Color

29.9502, 44.7587, 52.4081



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.9546, 33.9289, 39.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9502, 44.7587, 52.4081 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(40, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 184)  
}
```

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(40, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.9502, 44.7587, 52.4081 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(40, 199, 184) }
```


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

```
.border{ border-color:rgb(40, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 184);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9502, 44.7587, 52.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 184) }
```

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

```
.background{ background-color: rgb(40, 199,  
184) }
```

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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