

Converting Colors

XYZ(32.2928, 54.7112, 41.2061)

Have a look what the booklet for
XYZ(32.2928, 54.7112, 41.2061)
contains.

XYZ(32.2928, 54.7112, 41.2061)	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(32.2928, 54.7112,
41.2061)**

Conversions

Conversions Part 1

Format	Color
Hex	00DE9E
RGB	0, 222, 158
RGB Percent	0%, 87%, 62%
CMY	0.9999, 0.1294, 0.3804
CMYK	1.00, 0.00, 0.29, 0.13
HSL	163°, 100%, 44%
HSV	163°, 100%, 87%
XYZ	32.2928, 54.7112, 41.2061
YIQ	148.3260, -111.7680, -66.9680

Conversions

Conversions Part 2

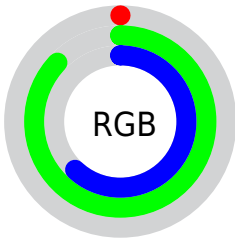
Format	Color
RYB	0, 130, 222
Decimal	56990
CIELab	78.87, -60.05, 18.91
CIELCh	79, 62.957, 162.519
Yxy	54.7112, 0.2519, 0.4267
Android (android.graphics.Color)	4278247070 (0xFF00DE9E)
YUV	148.3260, 4.7693, -130.0819
Hunter-Lab	73.9670, -51.5121, 18.7472

Details

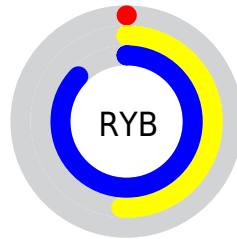
The XYZ color **32.2928, 54.7112, 41.2061** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **31.0516, 15.9011, 6.2864**, and the grayscale version is **28.3019, 29.7758, 32.4258**.

A 20% lighter version of the original color is **53.8336, 79.4499, 75.4488**, and **16.0567, 27.9509, 18.1845** is the 20% darker color. If you saturate the color by 10%, you get **32.2935, 54.7130, 41.2047**, and if you desaturate by 10%, it is **33.1953, 55.1125, 44.2012**.

Distribution



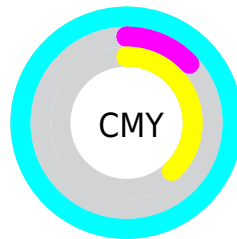
- Red (0%)
- Green (87%)
- Blue (62%)



- Red (0%)
- Yellow (51%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2928, 54.7112, 41.2061 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 32.2928, 54.7112, 41.2061 by changing the saturation by 10% instead.


 32.2928, 54.7112,
41.2061


 32.2928, 54.7112,
41.2061


304.1725,
404.8163, 366.8834


 21.7419, 39.1705,
28.1592


 62.6319, 97.1177,
78.2537


 13.7829, 26.8924,
18.2057


 83.1508, 124.7523,
103.0916


 8.0505, 17.4924,
10.9268


 107.7231,
157.1871, 132.6969

 4.1794, 10.5862,
5.9041

 136.7141,
194.8063, 167.4881

 1.8041, 5.7893,
2.7190

 170.4892,
237.9945, 207.8838

 0.5201, 2.7174,
0.9530

209.4137,

 0.0000, 0.9860,

287.1359, 254.3026

0.0000

253.8531,
342.6150, 307.1629

■ 0.0000, 0.0000,
0.0000

■ 32.2928, 54.7112,
41.2061

■ 32.2928, 54.7112,
41.2061

■ 32.2935, 54.7130,
41.2047

■ 33.1953, 55.1125,
44.2012

■ 34.5111, 55.7222,
47.3666

■ 36.3674, 56.6070,
50.7114

■ 38.8354, 57.8037,
54.2411

■ 41.9756, 59.3435,
57.9607

■ 45.8405, 61.2533,
61.8746

■ 50.4778, 63.5577,
65.9871

■ 55.9306, 66.2788,
70.3021

■ 62.2389, 69.4373,
74.8234

Harmonies

Analogous

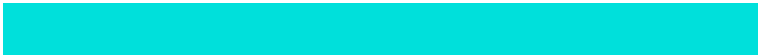
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.4002, 54.7112, 21.8961



32.2928, 54.7112, 41.2061



31.9026, 54.7112, 75.7589

Triad

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



32.2928, 54.7112, 41.2061



57.3829, 54.7112, 155.1071



71.7877, 54.7112, 24.1288

Complementary

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



32.2928, 54.7112, 41.2061



31.0516, 15.9011, 6.2864

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.



79.1475, 54.7112, 45.8712



32.2928, 54.7112, 41.2061



69.9801, 54.7112, 126.0091

Square

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



32.2928, 54.7112, 41.2061



45.1153, 54.7112, 152.2081



78.4374, 54.7112, 82.7139



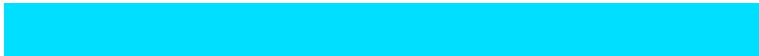
59.5547, 54.7112, 15.1022

Rectangle

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



32.2928, 54.7112, 41.2061



34.2651, 54.7112, 104.7250



78.4374, 54.7112, 82.7139



74.9954, 54.7112, 29.7180

Sweetspot

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



32.2943, 54.7134, 41.2074



68.9350, 86.9242, 90.1934



28.4108, 53.4243, 8.8151



14.1515, 18.3052, 18.7865



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.



32.2943, 54.7134, 41.2074



44.1497, 74.8759, 56.0998



29.0279, 36.9589, 74.7137



13.9393, 15.5014, 16.7155



19.2313, 32.5174, 24.7389



1.3712, 2.2692, 1.9157

Inverse Universe

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



31.0516, 15.9011, 6.2864



42.4599, 21.7480, 8.3542



31.0418, 17.3628, 1.7159



13.8689, 13.7652, 15.0800



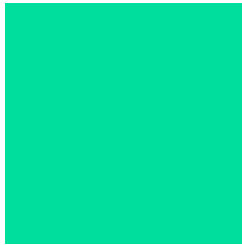
18.4848, 9.4609, 3.9527



1.3193, 0.6710, 0.4743

Previews

White Background



This preview shows how the XYZ color 32.2928, 54.7112, 41.2061 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 32.2928, 54.7112, 41.2061 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

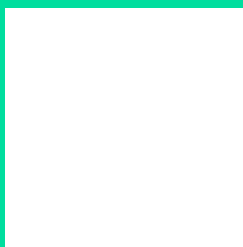
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2928, 54.7112, 41.2061

Background



This preview shows how black text looks on a background with the XYZ color 32.2928, 54.7112, 41.2061.

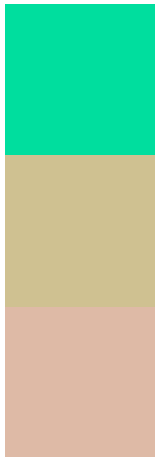


This preview shows how white text looks on a background with the XYZ color 32.2928, 54.7112,

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

32.2928, 54.7112, 41.2061

Protanopia

49.9129, 53.4497, 34.4742

Deuteranopia

54.5660, 53.4006, 43.5078



Tritanopia

40.9012, 54.7575, 83.2764

Trichromacy



Original Color

32.2928, 54.7112, 41.2061



Protanomaly

36.6136, 50.2933, 36.6320



Deuteranomaly

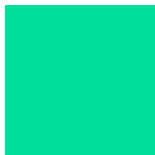
38.0188, 49.1539, 42.1342



Tritanomaly

36.6272, 54.0757, 65.6339

Monochromacy



Original Color

32.2928, 54.7112, 41.2061



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.6136, 35.3066, 35.1706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2928, 54.7112, 41.2061 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, 222, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 158)  
}
```

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, 222, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 158) }
```

Border

The CSS property to change the border of an element to XYZ 32.2928, 54.7112, 41.2061 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, 222, 158) }
```


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

```
.border{ border-color:rgb(0, 222, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2928, 54.7112, 41.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 158) }
```

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

```
.background{ background-color: rgb(0, 222,  
158) }
```

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