

Converting Colors

XYZ(32.8644, 50.7796, 52.7457)

Have a look what the booklet for
XYZ(32.8644, 50.7796, 52.7457)
contains.

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Color

**XYZ(32.9658, 50.9570,
52.8979)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 28D4B7 |
| RGB | 40, 212, 183 |
| RGB Percent | 16%, 83%, 72% |
| CMY | 0.8431, 0.1686, 0.2823 |
| CMYK | 0.81, 0.00, 0.14, 0.17 |
| HSL | 170°, 68%, 49% |
| HSV | 170°, 81%, 83% |
| XYZ | 32.9658, 50.9570, 52.8979 |
| YIQ | 157.2660, -93.2030, -45.4830 |

Conversions

Conversions Part 2

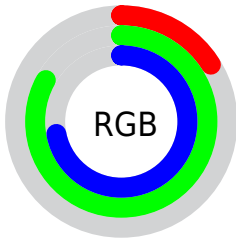
| Format | Color |
|-------------------------------------|--|
| RYB | 40, 134, 212 |
| Decimal | 2675895 |
| CIELab | 76.65, -48.07, 2.52 |
| CIELCh | 77, 48.132, 176.998 |
| Yxy | 50.9570, 0.2409, 0.3724 |
| Android (android.graphics.Color) | 4280865975 (0xFF28D4B7) |
| YUV | 157.2660, 12.6869, -102.8423 |
| Hunter-Lab | 71.3842, -42.4895, 6.0332 |

Details

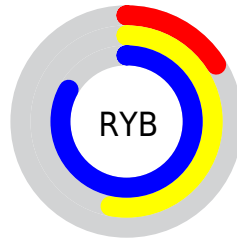
The XYZ color **32.9658, 50.9570, 52.8979** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.9861, 15.9457, 7.1825**, and the grayscale version is **32.1444, 33.8185, 36.8283**.

A 20% lighter version of the original color is **58.6761, 81.5339, 94.3064**, and **15.9177, 25.3886, 25.1806** is the 20% darker color. If you saturate the color by 10%, you get **31.9891, 50.4972, 50.9354**, and if you desaturate by 10%, it is **34.4062, 51.6572, 54.9338**.

Distribution



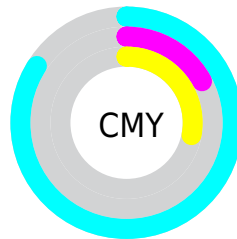
- Red (16%)
- Green (83%)
- Blue (72%)



- Red (16%)
- Yellow (53%)
- Blue (83%)



- Cyan (81%)
- Magenta (0%)
- Yellow (14%)
- Black (17%)





- Cyan (84%)
- Magenta (17%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9658, 50.9570, 52.8979 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 32.9658, 50.9570, 52.8979 by changing the saturation by 10% instead.


 32.9658, 50.9570,
52.8979


 32.9658, 50.9570,
52.8979


307.1633,
390.3967, 414.9485


 22.2594, 36.1744,
37.3341


 63.6772, 91.5912,
95.8941


 14.1653, 24.5689,
25.1685


 84.4128, 118.2116,
124.1637


 8.3182, 15.7562,
15.9825


 109.2222,
149.5467, 157.5055

 4.3527, 9.3518,
9.3575

 138.4707,
185.9809, 196.3382

 1.9035, 4.9713,
4.8751

 172.5238,
227.8986, 241.0803

 0.5789, 2.2305,
2.1167

211.7466,

 0.0000, 0.7365,

275.6842, 292.1504

0.6257

256.5047,
329.7221, 349.9669

■ 0.0000, 0.0000,
0.0000

■ 32.9658, 50.9570,
52.8979

■ 32.9658, 50.9570,
52.8979

■ 31.9891, 50.4972,
50.9354

■ 34.4062, 51.6572,
54.9338

■ 31.4060, 50.2333,
49.2473

■ 36.3708, 52.6253,
57.0427

■ 38.9152, 53.8913,
59.2289

■ 42.0870, 55.4796,
61.4948

■ 45.9287, 57.4121,
63.8428

■ 50.4791, 59.7087,
66.2750

■ 55.7738, 62.3880,
68.7935

■ 61.8462, 65.4670,
71.4002

■ 68.7278, 68.9620,
74.0968

Harmonies

Analogous

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



35.1814, 50.9570, 32.4047



32.9658, 50.9570, 52.8979



34.4454, 50.9570, 81.5061

Triad

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



32.9658, 50.9570, 52.8979



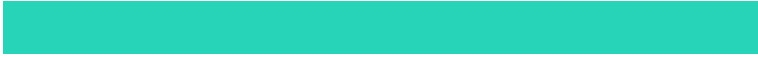
56.8254, 50.9570, 113.2408



58.6111, 50.9570, 23.1564

Complementary

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



32.9658, 50.9570, 52.8979



28.9861, 15.9457, 7.1825

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.



65.7720, 50.9570, 35.6888



32.9658, 50.9570, 52.8979



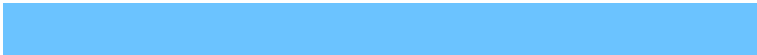
64.6536, 50.9570, 87.5282

Square

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



32.9658, 50.9570, 52.8979



47.5217, 50.9570, 122.1476



68.1099, 50.9570, 58.1520



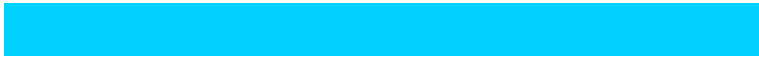
49.3561, 50.9570, 18.9584

Rectangle

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



32.9658, 50.9570, 52.8979



37.4445, 50.9570, 100.8364



68.1099, 50.9570, 58.1520



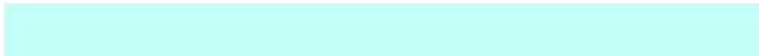
61.3852, 50.9570, 26.2944

Sweetspot

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



32.9672, 50.9590, 52.8991



74.3895, 89.5359, 99.4919



26.5661, 48.6022, 9.9895



15.3893, 18.8953, 21.0106



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.



32.9672, 50.9590, 52.8991



47.9030, 76.3883, 75.3643



24.9080, 29.5018, 66.6712



12.6981, 14.0702, 15.4905



19.4201, 31.0234, 30.5718



1.1957, 1.8809, 1.9723

Inverse Universe

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



28.9861, 15.9457, 7.1825



41.8850, 21.6509, 4.9171



31.5807, 22.2411, 4.6370



12.5079, 12.4546, 13.3486



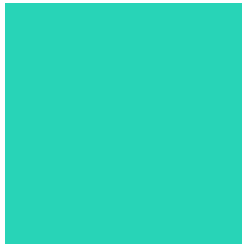
16.9813, 8.7289, 1.9399



1.0510, 0.5372, 0.2582

Previews

White Background



This preview shows how the XYZ color 32.9658, 50.9570, 52.8979 looks on a white background.

Color Contrast Check

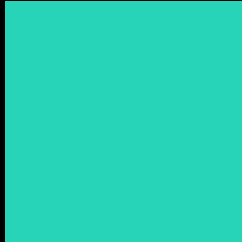
Large Text (above 18pt) WCAG AA × Fail

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 32.9658, 50.9570, 52.8979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

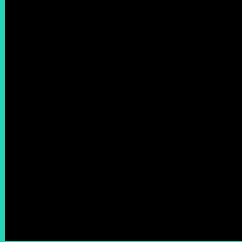
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

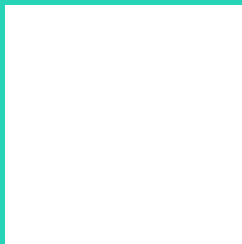
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9658, 50.9570, 52.8979

Background



This preview shows how black text looks on a background with the XYZ color 32.9658, 50.9570, 52.8979.

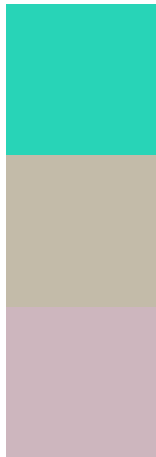


This preview shows how white text looks on a background with the XYZ color 32.9658, 50.9570,

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

32.9658, 50.9570, 52.8979

Protanopia

47.4374, 50.0073, 44.6883

Deuteranopia

51.1990, 50.1527, 55.6972



Tritanopia

37.7745, 50.6993, 77.6071

Trichromacy



Original Color

32.9658, 50.9570, 52.8979



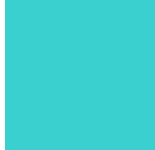
Protanomaly

38.0274, 48.0248, 47.3099



Deuteranomaly

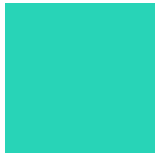
39.7167, 47.7475, 54.1366



Tritanomaly

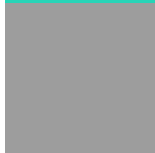
35.6860, 50.5654, 67.5538

Monochromacy



Original Color

32.9658, 50.9570, 52.8979



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.5445, 37.7749, 41.8105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9658, 50.9570, 52.8979 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, 212, 183)` looks like.

```
.text, #text, p{  
    color:rgb(40, 212, 183)  
}
```

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, 212, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 212, 183) }
```

Border

The CSS property to change the border of an element to XYZ 32.9658, 50.9570, 52.8979 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, 212, 183) }
```


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

```
.border{ border-color:rgb(40, 212, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 212, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 212, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 212, 183);  
box-shadow:4px 4px 4px 4px rgb(40, 212,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9658, 50.9570, 52.8979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 212, 183) }
```

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

```
.background{ background-color: rgb(40, 212,  
183) }
```

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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