

Converting Colors

XYZ(32.2602, 50.6976, 48.5271)

Have a look what the booklet for
XYZ(32.2602, 50.6976, 48.5271)
contains.

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Color

**XYZ(32.2776, 50.6957,
48.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD4AF
RGB	43, 212, 175
RGB Percent	17%, 83%, 69%
CMY	0.8313, 0.1686, 0.3137
CMYK	0.80, 0.00, 0.17, 0.17
HSL	167°, 66%, 50%
HSV	167°, 80%, 83%
XYZ	32.2776, 50.6957, 48.6415
YIQ	157.2510, -88.8470, -47.3350

Conversions

Conversions Part 2

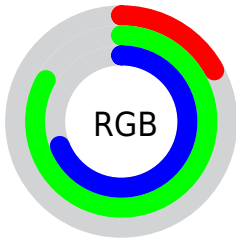
Format	Color
R _Y B	43, 138, 212
Decimal	2872495
CIE Lab	76.49, -49.84, 6.58
CIE LCh	76, 50.277, 172.476
Yxy	50.6957, 0.2452, 0.3852
Android (android.graphics.Color)	4281062575 (0xFF2BD4AF)
YUV	157.2510, 8.7503, -100.1981
Hunter-Lab	71.2009, -43.6820, 9.3362

Details

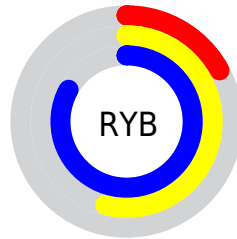
The XYZ color **32.2776, 50.6957, 48.6415** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.4649, 16.3053, 9.1858**, and the grayscale version is **32.1532, 33.8276, 36.8383**.

A 20% lighter version of the original color is **57.5141, 81.0847, 87.4825**, and **15.4636, 25.2070, 22.7893** is the 20% darker color. If you saturate the color by 10%, you get **31.1608, 50.1730, 46.2510**, and if you desaturate by 10%, it is **33.8743, 51.4665, 51.1386**.

Distribution



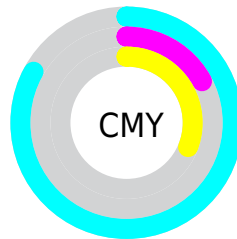
- Red (17%)
- Green (83%)
- Blue (69%)



- Red (17%)
- Yellow (54%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2776, 50.6957, 48.6415 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 32.2776, 50.6957, 48.6415 by changing the saturation by 10% instead.

■ 32.2776, 50.6957,
48.6415

■ 32.2776, 50.6957,
48.6415

304.1047,
389.3804, 397.9111

■ 21.7302, 35.9665,
33.9716

■ 62.6083, 91.2048,
89.5342

■ 13.7743, 24.4083,
22.5946

■ 83.1223, 117.7535,
116.5941

■ 8.0445, 15.6368,
14.0920

■ 107.6892,
149.0108, 148.6211

■ 4.1755, 9.2675,
8.0452

■ 136.6743,
185.3611, 186.0337

■ 1.8019, 4.9161,
4.0357

■ 170.4431,
227.1888, 229.2505

■ 0.5188, 2.1981,
1.6449

209.3609,

■ 0.0000, 0.7190,

274.8783, 278.6899

0.3226

253.7930,
328.8141, 334.7706

■ 0.0000, 0.0000,
0.0000

■ 32.2776, 50.6957,
48.6415

■ 32.2776, 50.6957,
48.6415

■ 31.1608, 50.1730,
46.2510

■ 33.8743, 51.4665,
51.1386

■ 30.4090, 49.8354,
43.9574

■ 36.0097, 52.5119,
53.7424

■ 30.3892, 49.8266,
43.8928

■ 38.7384, 53.8613,
56.4573

■ 42.1072, 55.5389,
59.2864

■ 46.1582, 57.5662,
62.2324

■ 50.9296, 59.9631,
65.2978

■ 56.4570, 62.7477,
68.4851

■ 62.7734, 65.9372,
71.7964

■ 69.9100, 69.5476,
75.2341

Harmonies

Analogous

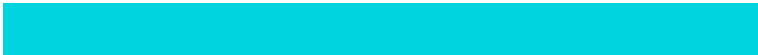
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1248, 50.6957, 29.1154



32.2776, 50.6957, 48.6415



33.2268, 50.6957, 77.6603

Triad

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



32.2776, 50.6957, 48.6415



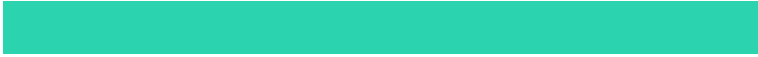
55.4953, 50.6957, 118.8592



60.1627, 50.6957, 23.2833

Complementary

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



32.2776, 50.6957, 48.6415



29.4649, 16.3053, 9.1858

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.



67.0685, 50.6957, 37.5489



32.2776, 50.6957, 48.6415



64.1367, 50.6957, 93.4951

Square

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



32.2776, 50.6957, 48.6415



45.8371, 50.6957, 124.8197



68.6108, 50.6957, 62.3209



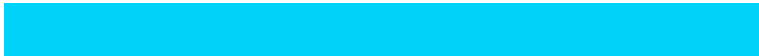
50.6112, 50.6957, 17.9327

Rectangle

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



32.2776, 50.6957, 48.6415



35.9513, 50.6957, 98.4923



68.6108, 50.6957, 62.3209



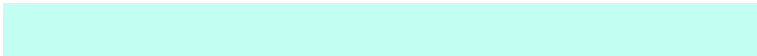
62.9192, 50.6957, 26.9170

Sweetspot

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



32.2790, 50.6977, 48.6427



73.9238, 89.3497, 97.0399



27.4987, 49.0768, 10.3098



15.2759, 18.8499, 20.4136



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.



32.2790, 50.6977, 48.6427



46.4775, 75.8217, 67.6911



26.6882, 32.8823, 67.2299



12.6704, 14.0591, 15.3446



18.7988, 30.7749, 27.3001



1.1634, 1.8680, 1.8019

Inverse Universe

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



29.4649, 16.3053, 9.1858



42.2704, 21.8493, 6.8101



31.0844, 21.1637, 4.7331



12.5335, 12.4649, 13.4834



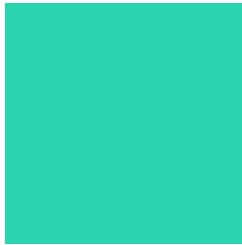
17.1023, 8.7772, 2.5768



1.0630, 0.5420, 0.3211

Previews

White Background



This preview shows how the XYZ color 32.2776, 50.6957, 48.6415 looks on a white background.

Color Contrast Check

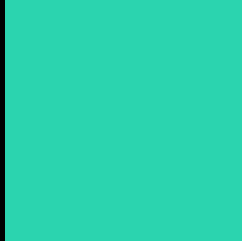
Large Text (above 18pt) WCAG AA × Fail

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 32.2776, 50.6957, 48.6415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

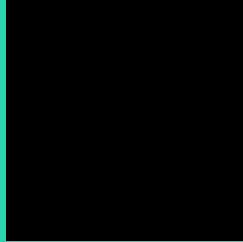
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

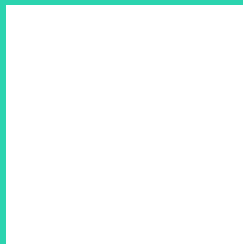
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2776, 50.6957, 48.6415

Background



This preview shows how black text looks on a background with the XYZ color 32.2776, 50.6957, 48.6415.



This preview shows how white text looks on a background with the XYZ color 32.2776, 50.6957,

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

32.2776, 50.6957, 48.6415

Protanopia

47.0569, 49.8850, 41.3310

Deuteranopia

50.6995, 49.6905, 51.1751



Tritanopia

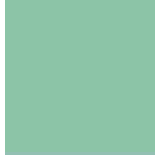
37.7638, 50.3530, 76.8360

Trichromacy



Original Color

32.2776, 50.6957, 48.6415



Protanomaly

37.5302, 47.8453, 43.8162



Deuteranomaly

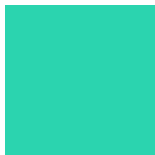
39.0189, 47.1570, 49.6935



Tritanomaly

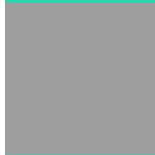
35.5619, 50.5437, 65.6392

Monochromacy



Original Color

32.2776, 50.6957, 48.6415



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.6254, 37.8376, 40.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2776, 50.6957, 48.6415 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, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 175)  
}
```

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, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 175) }
```

Border

The CSS property to change the border of an element to XYZ 32.2776, 50.6957, 48.6415 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, 212, 175) }
```


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

```
.border{ border-color:rgb(43, 212, 175) }
```

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

Here you see how a box with a 4 pixel rgb(43, 212, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2776, 50.6957, 48.6415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 175) }
```

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

```
.background{ background-color: rgb(43, 212,  
175) }
```

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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