

Converting Colors

XYZ(32.8363, 53.7932, 47.5684)

Have a look what the booklet for
XYZ(32.8363, 53.7932, 47.5684)
contains.

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Color

**XYZ(32.7779, 53.6416,
47.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBAC
RGB	0, 219, 172
RGB Percent	0%, 86%, 67%
CMY	0.9999, 0.1412, 0.3255
CMYK	1.00, 0.00, 0.21, 0.14
HSL	167°, 100%, 43%
HSV	167°, 100%, 86%
XYZ	32.7779, 53.6416, 47.6560
YIQ	148.1610, -115.4370, -61.0450

Conversions

Conversions Part 2

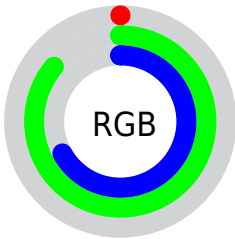
Format	Color
RYB	0, 123, 219
Decimal	56236
CIELab	78.25, -55.63, 10.65
CIELCh	78, 56.639, 169.158
Yxy	53.6416, 0.2445, 0.4001
Android (android.graphics.Color)	4278246316 (0xFF00DBAC)
YUV	148.1610, 11.7526, -129.9372
Hunter-Lab	73.2404, -48.2851, 12.6895

Details

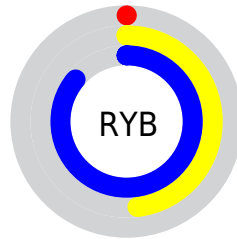
The XYZ color **32.7779, 53.6416, 47.6560** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.7285, 15.2668, 4.0726**, and the grayscale version is **28.2069, 29.6758, 32.3170**.

A 20% lighter version of the original color is **55.6885, 80.1919, 85.2165**, and **16.4874, 27.5505, 22.2181** is the 20% darker color. If you saturate the color by 10%, you get **32.7784, 53.6432, 47.6540**, and if you desaturate by 10%, it is **33.5680, 53.9971, 50.0930**.

Distribution



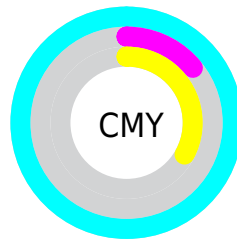
- Red (0%)
- Green (86%)
- Blue (67%)



- Red (0%)
- Yellow (48%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7779, 53.6416, 47.6560 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 32.7779, 53.6416, 47.6560 by changing the saturation by 10% instead.


 32.7779, 53.6416,
47.6560


 32.7779, 53.6416,
47.6560


306.3305,
400.7418, 393.8963

 22.1148, 38.3152,
33.1965


 63.3856, 95.5478,
88.0522


 14.0583, 26.2274,
22.0047

 84.0609, 122.8964,
114.8260


 8.2432, 16.9939,
13.6620


 108.8043,
155.0212, 146.5416

 4.3041, 10.2301,
7.7499

 137.9812,
192.3066, 183.6176

 1.8756, 5.5518,
3.8499

 171.9569,
235.1369, 226.4726

 0.5626, 2.5745,
1.5433

211.0968,

 0.0000, 0.9139,

283.8967, 275.5249

0.2499

255.7662,
338.9702, 331.1933

■ 0.0000, 0.0000,
0.0000

■ 32.7779, 53.6416,
47.6560

■ 32.7779, 53.6416,
47.6560

■ 32.7784, 53.6432,
47.6540

■ 33.5680, 53.9971,
50.0930

■ 34.7458, 54.5494,
52.6312

■ 36.4351, 55.3634,
55.2784

■ 38.7047, 56.4746,
58.0386

■ 41.6124, 57.9130,
60.9153

■ 45.2091, 59.7045,
63.9117

■ 49.5404, 61.8729,
67.0307

■ 54.6481, 64.4394,
70.2750

■ 60.5704, 67.4240,
73.6473

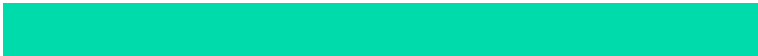
Harmonies

Analogous

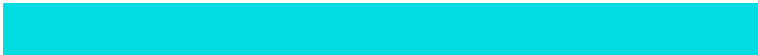
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4941, 53.6416, 26.8796



32.7779, 53.6416, 47.6560



33.3778, 53.6416, 80.8289

Triad

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



32.7779, 53.6416, 47.6560



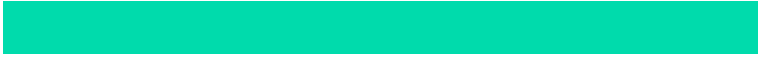
58.3080, 53.6416, 137.1733



66.2403, 53.6416, 23.3165

Complementary

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



32.7779, 53.6416, 47.6560



29.7285, 15.2668, 4.0726

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.



73.8973, 53.6416, 40.5693



32.7779, 53.6416, 47.6560



68.8783, 53.6416, 108.1406

Square

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



32.7779, 53.6416, 47.6560



47.0780, 53.6416, 141.2636



74.9271, 53.6416, 70.6633



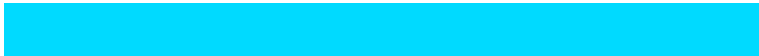
55.1018, 53.6416, 16.6152

Rectangle

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



32.7779, 53.6416, 47.6560



36.1728, 53.6416, 106.0815



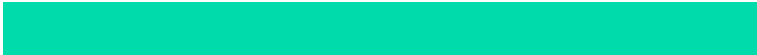
74.9271, 53.6416, 70.6633



69.3716, 53.6416, 27.7072

Sweetspot

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



32.7794, 53.6437, 47.6573



69.7530, 87.2514, 94.5009



26.5269, 51.2806, 8.5009



14.3482, 18.3838, 19.8222



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.



32.7794, 53.6437, 47.6573



46.2164, 75.7026, 66.9825



24.8374, 29.2156, 71.3504



13.3189, 14.7792, 16.1425



19.4772, 31.8235, 28.4758



1.2923, 2.0739, 2.0051

Inverse Universe

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



29.7285, 15.2668, 4.0726



41.9232, 21.5333, 5.5279



30.9412, 18.5138, 1.9436



13.1699, 13.0970, 14.1557



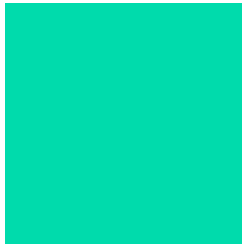
17.6596, 9.0649, 2.5873



1.1762, 0.6001, 0.3368

Previews

White Background



This preview shows how the XYZ color 32.7779, 53.6416, 47.6560 looks on a white background.

Color Contrast Check

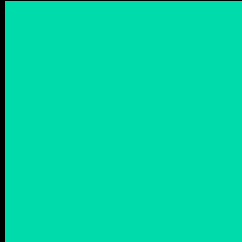
Large Text (above 18pt) WCAG AA × Fail

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 32.7779, 53.6416, 47.6560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

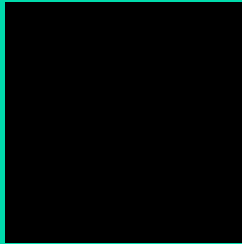
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

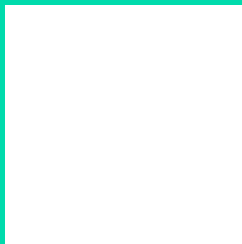
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7779, 53.6416, 47.6560

Background



This preview shows how black text looks on a background with the XYZ color 32.7779, 53.6416, 47.6560.

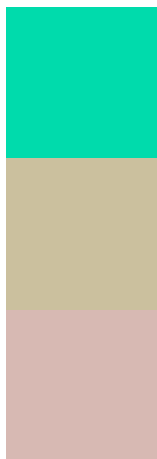


This preview shows how white text looks on a background with the XYZ color 32.7779, 53.6416,

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

32.7779, 53.6416, 47.6560

Protanopia

49.6498, 52.8644, 39.9348

Deuteranopia

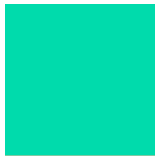
53.5100, 52.3997, 49.9417



Tritanopia

39.7519, 53.4390, 82.3484

Trichromacy



Original Color

32.7779, 53.6416, 47.6560



Protanomaly

36.7846, 49.5525, 42.2762



Deuteranomaly

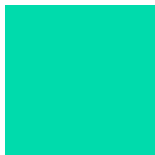
38.1193, 48.3855, 48.4045



Tritanomaly

36.4280, 53.1608, 68.0156

Monochromacy



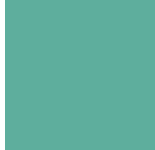
Original Color

32.7779, 53.6416, 47.6560



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.8379, 35.0861, 37.3088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7779, 53.6416, 47.6560 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, 219, 172)` looks like.

```
.text, #text, p{  
  color:rgb(0, 219, 172)  
}
```

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, 219, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.7779, 53.6416, 47.6560 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, 219, 172) }
```


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

```
.border{ border-color:rgb(0, 219, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7779, 53.6416, 47.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 172) }
```

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

```
.background{ background-color: rgb(0, 219,  
172) }
```

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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