

Converting Colors

XYZ(32.6556, 53.7175, 46.6208)

Have a look what the booklet for
XYZ(32.6556, 53.7175, 46.6208)
contains.

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Color

**XYZ(32.5872, 53.5653,
46.6518)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBAA
RGB	0, 219, 170
RGB Percent	0%, 86%, 67%
CMY	0.9999, 0.1412, 0.3333
CMYK	1.00, 0.00, 0.22, 0.14
HSL	167°, 100%, 43%
HSV	167°, 100%, 86%
XYZ	32.5872, 53.5653, 46.6518
YIQ	147.9330, -114.7950, -61.6670

Conversions

Conversions Part 2

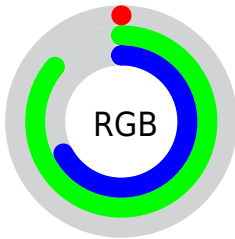
Format	Color
RYB	0, 123, 219
Decimal	56234
CIELab	78.21, -56.12, 11.65
CIELCh	78, 57.314, 168.271
Yxy	53.5653, 0.2454, 0.4033
Android (android.graphics.Color)	4278246314 (0xFF00DBAA)
YUV	147.9330, 10.8790, -129.7372
Hunter-Lab	73.1883, -48.6022, 13.4391

Details

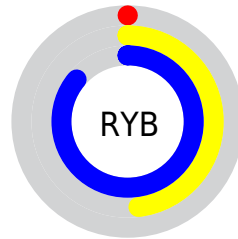
The XYZ color **32.5872, 53.5653, 46.6518** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.7698, 15.2833, 4.2902**, and the grayscale version is **28.1151, 29.5793, 32.2119**.

A 20% lighter version of the original color is **55.4140, 80.0820, 83.7709**, and **16.3672, 27.5024, 21.5854** is the 20% darker color. If you saturate the color by 10%, you get **32.5877, 53.5669, 46.6497**, and if you desaturate by 10%, it is **33.3901, 53.9259, 49.1562**.

Distribution



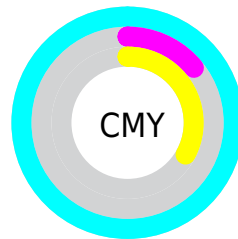
- Red (0%)
- Green (86%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5872, 53.5653, 46.6518 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 32.5872, 53.5653, 46.6518 by changing the saturation by 10% instead.

 32.5872, 53.5653,
46.6518


 32.5872, 53.5653,
46.6518


305.4835,
400.4502, 389.7764

 21.9681, 38.2542,
32.4081


 63.0895, 95.4357,
86.5382


 13.9499, 26.1801,
21.4060


 83.7035, 122.7638,
113.0179


 8.1673, 16.9584,
13.2270


 108.3797,
154.8664, 144.4134

 4.2549, 10.2048,
7.4525

 137.4837,
192.1278, 181.1433

 1.8473, 5.5350,
3.6639

 171.3807,
234.9325, 223.6259

 0.5459, 2.5644,
1.4429

210.4361,

 0.0000, 0.9088,

283.6649, 272.2800

0.1748

255.0152,
338.7093, 327.5239

■ 0.0000, 0.0000,
0.0000

■ 32.5872, 53.5653,
46.6518

■ 32.5872, 53.5653,
46.6518

■ 32.5877, 53.5669,
46.6497

■ 33.3901, 53.9259,
49.1562

■ 34.5821, 54.4839,
51.7689

■ 36.2869, 55.3041,
54.4977

■ 38.5733, 56.4221,
57.3468

■ 41.4993, 57.8677,
60.3197

■ 45.1157, 59.6672,
63.4199

■ 49.4682, 61.8440,
66.6502

■ 54.5984, 64.4196,
70.0136

■ 60.5449, 67.4138,
73.5127

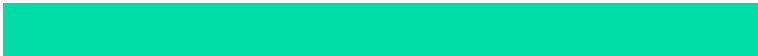
Harmonies

Analogous

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



36.4588, 53.5653, 26.1252



32.5872, 53.5653, 46.6518



33.0624, 53.5653, 79.9002

Triad

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



32.5872, 53.5653, 46.6518



57.9744, 53.5653, 138.7886



66.6514, 53.5653, 23.3156

Complementary

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



32.5872, 53.5653, 46.6518



29.7698, 15.2833, 4.2902

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.



74.2493, 53.5653, 41.0295



32.5872, 53.5653, 46.6518



68.7551, 53.5653, 109.8250

Square

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



32.5872, 53.5653, 46.6518



46.6545, 53.5653, 142.0646



75.0712, 53.5653, 71.7957



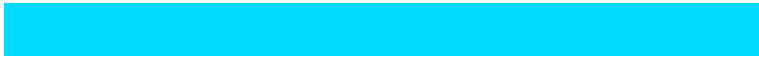
55.4214, 53.5653, 16.3528

Rectangle

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



32.5872, 53.5653, 46.6518



35.7936, 53.5653, 105.5307



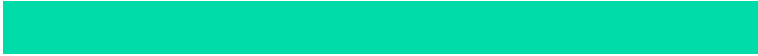
75.0712, 53.5653, 71.7957



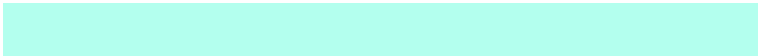
69.7816, 53.5653, 27.8317

Sweetspot

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



32.5887, 53.5674, 46.6531



69.6502, 87.2103, 93.9595



26.7041, 51.3719, 8.5092



14.3234, 18.3739, 19.6918



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.



32.5887, 53.5674, 46.6531



45.9457, 75.5943, 65.5572



25.4639, 30.4687, 71.5592



13.3137, 14.7771, 16.1147



19.3652, 31.7787, 27.8863



1.2859, 2.0713, 1.9715

Inverse Universe

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



29.7698, 15.2833, 4.2902



41.9801, 21.5560, 5.8274



30.7491, 18.1296, 1.8796



13.1748, 13.0990, 14.1816



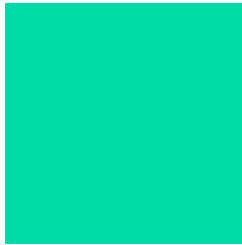
17.6851, 9.0751, 2.7220



1.1785, 0.6010, 0.3489

Previews

White Background



This preview shows how the XYZ color 32.5872, 53.5653, 46.6518 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 32.5872, 53.5653, 46.6518 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

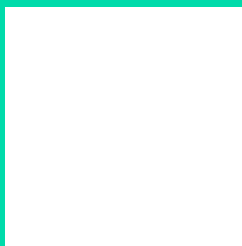
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5872, 53.5653, 46.6518

Background



This preview shows how black text looks on a background with the XYZ color 32.5872, 53.5653, 46.6518.



This preview shows how white text looks on a background with the XYZ color 32.5872, 53.5653,

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

32.5872, 53.5653, 46.6518

Protanopia

49.2602, 52.3584, 38.9624

Deuteranopia

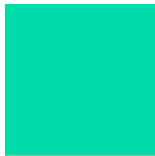
53.6037, 52.4712, 48.8977



Tritanopia

39.6818, 53.4189, 81.6182

Trichromacy



Original Color

32.5872, 53.5653, 46.6518



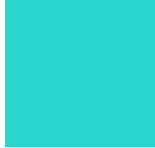
Protanomaly

36.3729, 49.0136, 41.2617



Deuteranomaly

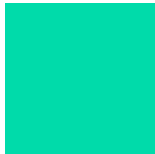
37.9228, 48.3069, 47.3698



Tritanomaly

36.3053, 53.1117, 67.3696

Monochromacy



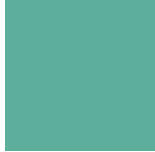
Original Color

32.5872, 53.5653, 46.6518



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.7529, 35.0521, 36.8609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5872, 53.5653, 46.6518 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.5872, 53.5653, 46.6518 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, 170) }
```


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

```
.border{ border-color:rgb(0, 219, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5872, 53.5653, 46.6518 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, 170) }
```

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

```
.background{ background-color: rgb(0, 219,  
170) }
```

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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