

Converting Colors

XYZ(32.8093, 56.6320, 38.6408)

Have a look what the booklet for
XYZ(32.8093, 56.6320, 38.6408)
contains.

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Color

**XYZ(32.7823, 56.6271,
38.4805)**

Conversions

Conversions Part 1

Format	Color
Hex	00E297
RGB	0, 226, 151
RGB Percent	0%, 89%, 59%
CMY	0.9999, 0.1137, 0.4078
CMYK	1.00, 0.00, 0.33, 0.11
HSL	160°, 100%, 44%
HSV	160°, 100%, 89%
XYZ	32.7823, 56.6271, 38.4805
YIQ	149.8760, -110.6210, -71.2370

Conversions

Conversions Part 2

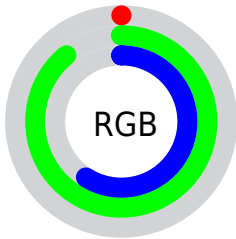
Format	Color
RYB	0, 135, 226
Decimal	58007
CIELab	79.97, -63.01, 24.06
CIELCh	80, 67.452, 159.101
Yxy	56.6271, 0.2563, 0.4428
Android (android.graphics.Color)	4278248087 (0xFF00E297)
YUV	149.8760, 0.5541, -131.4413
Hunter-Lab	75.2510, -53.9276, 22.3570

Details

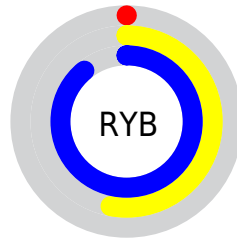
The XYZ color **32.7823, 56.6271, 38.4805** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **32.6364, 16.6783, 8.1605**, and the grayscale version is **28.9721, 30.4809, 33.1937**.

A 20% lighter version of the original color is **53.0849, 79.1644, 70.8749**, and **16.4882, 29.2960, 16.8423** is the 20% darker color. If you saturate the color by 10%, you get **32.7828, 56.6289, 38.4782**, and if you desaturate by 10%, it is **33.7572, 57.0585, 41.8096**.

Distribution



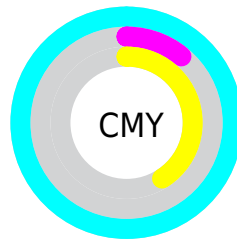
- Red (0%)
- Green (89%)
- Blue (59%)



- Red (0%)
- Yellow (53%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7823, 56.6271, 38.4805 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 32.7823, 56.6271, 38.4805 by changing the saturation by 10% instead.


 32.7823, 56.6271,
38.4805


 32.7823, 56.6271,
38.4805


306.3500,
412.0505, 355.0365


 22.1182, 40.7059,
26.0511


 63.3925, 99.9209,
74.0556


 14.0608, 28.0894,
16.6358


 84.0692, 128.0623,
98.0384


 8.2450, 18.3930,
9.8159


 108.8141,
161.0459, 126.7094

 4.3052, 11.2325,
5.1731

 137.9927,
199.2560, 160.4871

 1.8762, 6.2235,
2.2887

 171.9702,
243.0772, 199.7902

 0.5630, 2.9814,
0.7249

211.1120,

 0.0000, 1.1220,

292.8937, 245.0371

0.0000

255.7835,
349.0900, 296.6463

■ 0.0000, 0.0000,
0.0000

■ 32.7823, 56.6271,
38.4805

■ 32.7823, 56.6271,
38.4805

■ 32.7828, 56.6289,
38.4782

■ 33.7572, 57.0585,
41.8096

■ 35.1729, 57.7111,
45.3640

■ 37.1610, 58.6542,
49.1548

■ 39.7966, 59.9263,
53.1889

■ 43.1428, 61.5600,
57.4725

■ 47.2550, 63.5837,
62.0117

■ 52.1831, 66.0231,
66.8120

■ 57.9723, 68.9014,
71.8785

■ 64.6648, 72.2403,
77.2165

Harmonies

Analogous

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



38.8663, 56.6271, 19.7005



32.7823, 56.6271, 38.4805



31.7860, 56.6271, 74.3692

Triad

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



32.7823, 56.6271, 38.4805



58.0951, 56.6271, 170.1029



76.9493, 56.6271, 25.2800

Complementary

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



32.7823, 56.6271, 38.4805



32.6364, 16.6783, 8.1605

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.



84.2303, 56.6271, 50.4833



32.7823, 56.6271, 38.4805



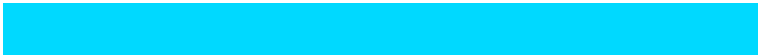
72.1938, 56.6271, 140.6379

Square

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



32.7823, 56.6271, 38.4805



44.9658, 56.6271, 162.3327



82.3562, 56.6271, 92.6574



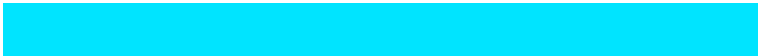
63.7716, 56.6271, 14.6356

Rectangle

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



32.7823, 56.6271, 38.4805



33.9391, 56.6271, 106.0806



82.3562, 56.6271, 92.6574



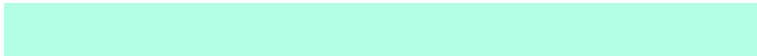
80.2611, 56.6271, 31.7751

Sweetspot

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



32.7838, 56.6293, 38.4818



68.4632, 86.7355, 87.7093



30.1267, 55.9049, 9.2036



14.0386, 18.2600, 18.1916



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.



32.7838, 56.6293, 38.4818



43.0504, 74.4362, 50.3108



31.7844, 41.6035, 78.3093



13.9130, 15.4910, 16.5773



18.7590, 32.3285, 22.2519



1.3412, 2.2572, 1.7580

Inverse Universe

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



32.6364, 16.6783, 8.1605



42.8652, 21.9101, 10.4880



32.0485, 17.5358, 1.6963



13.8939, 13.7752, 15.2115



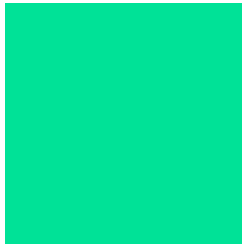
18.6671, 9.5338, 4.9125



1.3344, 0.6770, 0.5537

Previews

White Background



This preview shows how the XYZ color 32.7823, 56.6271, 38.4805 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 32.7823, 56.6271, 38.4805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

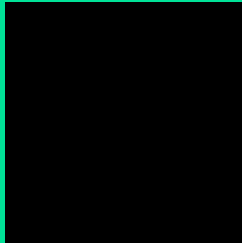
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7823, 56.6271, 38.4805

Background



This preview shows how black text looks on a background with the XYZ color 32.7823, 56.6271, 38.4805.

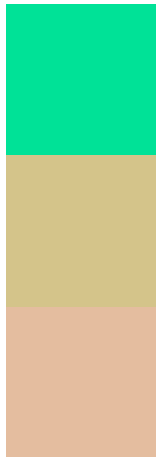


This preview shows how white text looks on a background with the XYZ color 32.7823, 56.6271,

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

32.7823, 56.6271, 38.4805

Protanopia

51.4788, 55.3119, 32.0078

Deuteranopia

56.4505, 55.3924, 40.5174



Tritanopia

42.4057, 56.6146, 85.7835

Trichromacy



Original Color

32.7823, 56.6271, 38.4805



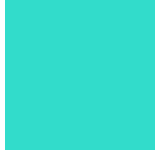
Protanomaly

37.2624, 51.7597, 34.0133



Deuteranomaly

38.7983, 50.6611, 39.1862



Tritanomaly

37.6881, 56.1763, 65.3567

Monochromacy



Original Color

32.7823, 56.6271, 38.4805



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.1447, 36.4757, 34.5167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7823, 56.6271, 38.4805 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, 226, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 151)  
}
```

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, 226, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 151) }
```

Border

The CSS property to change the border of an element to XYZ 32.7823, 56.6271, 38.4805 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, 226, 151) }
```


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

```
.border{ border-color:rgb(0, 226, 151) }
```

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

Here you see how a box with a 4 pixel rgb(0, 226, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7823, 56.6271, 38.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 151) }
```

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

```
.background{ background-color: rgb(0, 226,  
151) }
```

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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