

Converting Colors

XYZ(31.5243, 52.2072, 43.9304)

Have a look what the booklet for
XYZ(31.5243, 52.2072, 43.9304)
contains.

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Color

**XYZ(31.6044, 52.3423,
44.0347)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9A5
RGB	0, 217, 165
RGB Percent	0%, 85%, 65%
CMY	0.9999, 0.1490, 0.3529
CMYK	1.00, 0.00, 0.24, 0.15
HSL	166°, 100%, 43%
HSV	166°, 100%, 85%
XYZ	31.6044, 52.3423, 44.0347
YIQ	146.1890, -112.6400, -62.1760

Conversions

Conversions Part 2

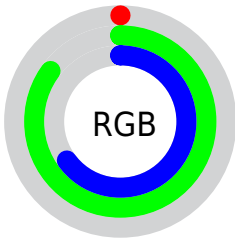
Format	Color
RYB	0, 123, 217
Decimal	55717
CIELab	77.49, -56.56, 13.28
CIELCh	77, 58.095, 166.787
Yxy	52.3423, 0.2469, 0.4090
Android (android.graphics.Color)	4278245797 (0xFF00D9A5)
YUV	146.1890, 9.2738, -128.2078
Hunter-Lab	72.3480, -48.6332, 14.5566

Details

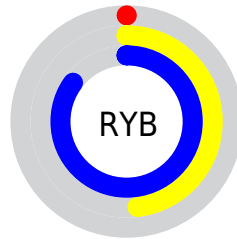
The XYZ color **31.6044, 52.3423, 44.0347** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.2372, 15.0011, 4.6071**, and the grayscale version is **27.3998, 28.8267, 31.3923**.

A 20% lighter version of the original color is **54.6221, 79.7515, 80.2248**, and **15.7255, 26.6820, 19.9441** is the 20% darker color. If you saturate the color by 10%, you get **31.6048, 52.3439, 44.0324**, and if you desaturate by 10%, it is **32.4136, 52.7050, 46.5956**.

Distribution



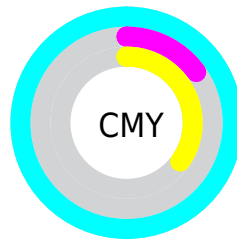
- Red (0%)
- Green (85%)
- Blue (65%)



- Red (0%)
- Yellow (48%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6044, 52.3423, 44.0347 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 31.6044, 52.3423, 44.0347 by changing the saturation by 10% instead.


 31.6044, 52.3423,
44.0347


 31.6044, 52.3423,
44.0347


301.0906,
395.7567, 378.8954


 21.2136, 37.2780,
30.3604


 61.5598, 93.6359,
82.5730


 13.3936, 25.4228,
19.8579


 81.8551, 120.6339,
108.2741


 7.7790, 16.3923,
12.1088


 106.1826,
152.3786, 138.8211

 4.0045, 9.8022,
6.6944

 134.9076,
189.2545, 174.6327

 1.7047, 5.2680,
3.1962

 168.3956,
231.6458, 216.1274

 0.4592, 2.4054,
1.1956

207.0119,

 0.0000, 0.8286,

279.9370, 263.7237

0.0000

251.1217,
334.5125, 317.8402

■ 0.0000, 0.0000,
0.0000

■ 31.6044, 52.3423,
44.0347

■ 31.6044, 52.3423,
44.0347

■ 31.6048, 52.3439,
44.0324

■ 32.4136, 52.7050,
46.5956

■ 33.6058, 53.2615,
49.2749

■ 35.3024, 54.0758,
52.0807

■ 37.5708, 55.1825,
55.0171

■ 40.4677, 56.6110,
58.0880

■ 44.0428, 58.3867,
61.2968

■ 48.3408, 60.5327,
64.6465

■ 53.4025, 63.0700,
68.1403

■ 59.2655, 66.0180,
71.7808

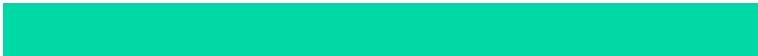
Harmonies

Analogous

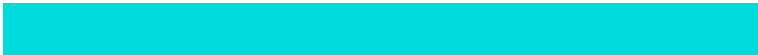
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.6576, 52.3423, 24.3533



31.6044, 52.3423, 44.0347



31.8618, 52.3423, 76.7070

Triad

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



31.6044, 52.3423, 44.0347



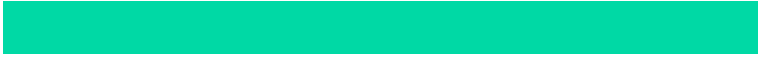
56.2267, 52.3423, 138.6912



65.9855, 52.3423, 22.8438

Complementary

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



31.6044, 52.3423, 44.0347



29.2372, 15.0011, 4.6071

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.



73.3248, 52.3423, 40.9822



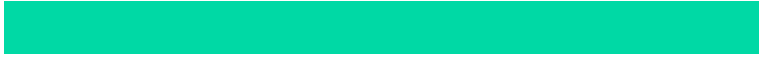
31.6044, 52.3423, 44.0347



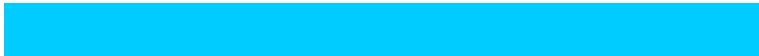
67.1377, 52.3423, 110.4574

Square

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



31.6044, 52.3423, 44.0347



44.9917, 52.3423, 140.4987



73.7755, 52.3423, 72.2699



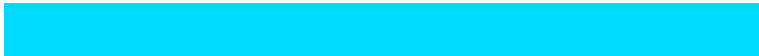
54.8320, 52.3423, 15.5872

Rectangle

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



31.6044, 52.3423, 44.0347



34.4302, 52.3423, 102.4338



73.7755, 52.3423, 72.2699



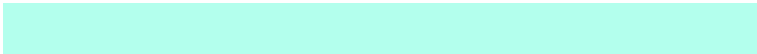
69.0489, 52.3423, 27.4805

Sweetspot

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



31.6058, 52.3443, 44.0359



69.4722, 87.1391, 93.0226



26.3500, 50.4194, 8.3440



14.2806, 18.3568, 19.4662



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.



31.6058, 52.3443, 44.0359



45.4847, 75.4099, 63.1293



25.5799, 31.1194, 70.3064



13.3045, 14.7734, 16.0663



19.1744, 31.7024, 26.8816



1.2750, 2.0669, 1.9140

Inverse Universe

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



29.2372, 15.0011, 4.6071



42.0854, 21.5982, 6.3819



29.9484, 17.4162, 1.7841



13.1833, 13.1024, 14.2267



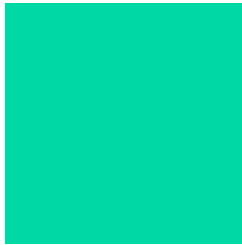
17.7322, 9.0939, 2.9700



1.1826, 0.6027, 0.3706

Previews

White Background



This preview shows how the XYZ color 31.6044, 52.3423, 44.0347 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 31.6044, 52.3423, 44.0347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

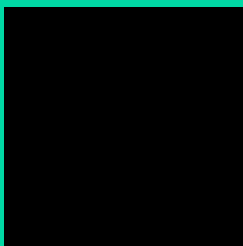
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

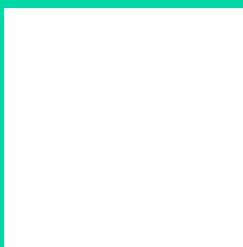
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6044, 52.3423, 44.0347

Background



This preview shows how black text looks on a background with the XYZ color 31.6044, 52.3423, 44.0347.



This preview shows how white text looks on a background with the XYZ color 31.6044, 52.3423,

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

31.6044, 52.3423, 44.0347

Protanopia

48.2222, 51.2187, 37.0504

Deuteranopia

52.4042, 51.2926, 46.1682



Tritanopia

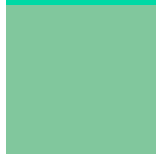
38.9822, 52.3571, 80.0029

Trichromacy



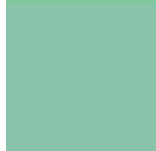
Original Color

31.6044, 52.3423, 44.0347



Protanomaly

35.5625, 47.9483, 39.2789



Deuteranomaly

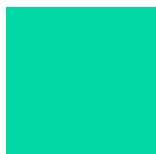
36.9931, 47.2132, 44.6994



Tritanomaly

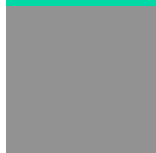
35.4813, 51.9821, 65.2902

Monochromacy



Original Color

31.6044, 52.3423, 44.0347



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.0165, 34.1321, 35.4066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6044, 52.3423, 44.0347 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, 217, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 165)  
}
```

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, 217, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.6044, 52.3423, 44.0347 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, 217, 165) }
```


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

```
.border{ border-color:rgb(0, 217, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6044, 52.3423, 44.0347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 165) }
```

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

```
.background{ background-color: rgb(0, 217,  
165) }
```

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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