

Converting Colors

XYZ(24.7391, 49.9318, 31.6859)

Have a look what the booklet for
XYZ(24.7391, 49.9318, 31.6859)
contains.

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Color

**XYZ(29.7755, 52.4406,
31.8453)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB88
RGB	0, 219, 136
RGB Percent	0%, 86%, 53%
CMY	0.9999, 0.1412, 0.4667
CMYK	1.00, 0.00, 0.38, 0.14
HSL	157°, 100%, 43%
HSV	157°, 100%, 86%
XYZ	29.7755, 52.4406, 31.8453
YIQ	144.0570, -103.8810, -72.2410

Conversions

Conversions Part 2

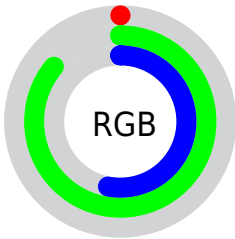
Format	Color
RYB	0, 135, 219
Decimal	56200
CIELab	77.54, -63.62, 28.52
CIELCh	78, 69.726, 155.852
Yxy	52.4406, 0.2610, 0.4598
Android (android.graphics.Color)	4278246280 (0xFF00DB88)
YUV	144.0570, -3.9721, -126.3380
Hunter-Lab	72.4159, -53.3333, 24.6180

Details

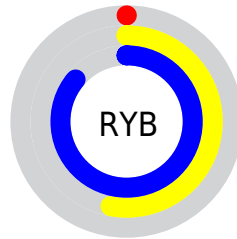
The XYZ color **29.7755, 52.4406, 31.8453** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.7771, 15.6861, 9.5943**, and the grayscale version is **26.5813, 27.9655, 30.4545**.

A 20% lighter version of the original color is **50.9981, 78.3019, 61.1411**, and **14.5600, 26.4965, 12.9413** is the 20% darker color. If you saturate the color by 10%, you get **29.7759, 52.4423, 31.8431**, and if you desaturate by 10%, it is **30.7189, 52.8575, 35.0908**.

Distribution



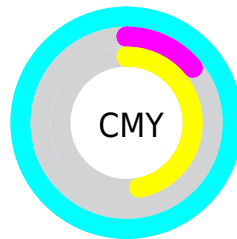
- Red (0%)
- Green (86%)
- Blue (53%)



- Red (0%)
- Yellow (53%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7755, 52.4406, 31.8453 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 29.7755, 52.4406, 31.8453 by changing the saturation by 10% instead.


 29.7755, 52.4406,
31.8453


 29.7755, 52.4406,
31.8453


292.7852,
396.1352, 324.8849


 19.8155, 37.3564,
20.9795


 58.6960, 93.7807,
63.6636

 12.3685, 25.4835,
12.9179


 78.3872, 120.8054,
85.4532


 7.0691, 16.4377,
7.2420


 102.0529,
152.5790, 111.7211

 3.5521, 9.8344,
3.5332

 130.0584,
189.4860, 142.8859

 1.4520, 5.2893,
1.3729

 162.7690,
231.9107, 179.3662

 0.2928, 2.4180,
0.1204

200.5501,

 0.0000, 0.8351,

280.2376, 221.5804

0.0000

243.7671,
334.8509, 269.9471

■ 0.0000, 0.0000,
0.0000

■ 29.7755, 52.4406,
31.8453

■ 29.7755, 52.4406,
31.8453

■ 29.7759, 52.4423,
31.8431

■ 30.7189, 52.8575,
35.0908

■ 32.0808, 53.4834,
38.5985

■ 33.9854, 54.3835,
42.3804

■ 36.5024, 55.5937,
46.4446

■ 39.6905, 57.1442,
50.7987

■ 43.6012, 59.0613,
55.4497

■ 48.2810, 61.3690,
60.4042

■ 53.7720, 64.0889,
65.6687

■ 60.1135, 67.2411,
71.2492

Harmonies

Analogous

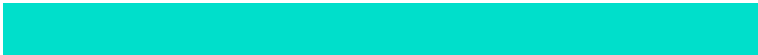
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1806, 52.4406, 15.6510



29.7755, 52.4406, 31.8453



28.2914, 52.4406, 64.9868

Triad

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



29.7755, 52.4406, 31.8453



52.5263, 52.4406, 166.9928



73.8769, 52.4406, 23.7810

Complementary

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



29.7755, 52.4406, 31.8453



30.7771, 15.6861, 9.5943

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.



80.2452, 52.4406, 49.8766



29.7755, 52.4406, 31.8453



66.5736, 52.4406, 140.6131

Square

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



29.7755, 52.4406, 31.8453



39.9955, 52.4406, 154.8361



77.3573, 52.4406, 93.0689



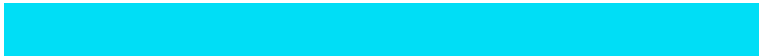
61.1877, 52.4406, 12.6764

Rectangle

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



29.7755, 52.4406, 31.8453



30.0065, 52.4406, 95.8599



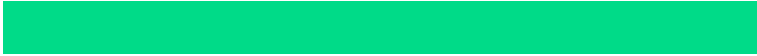
77.3573, 52.4406, 93.0689



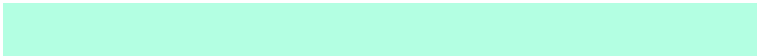
76.9226, 52.4406, 30.5124

Sweetspot

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



29.7769, 52.4427, 31.8465



67.9630, 86.5354, 85.0752



28.9857, 52.5482, 8.6158



13.9191, 18.2122, 17.5627



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.



29.7769, 52.4427, 31.8465



41.9614, 74.0006, 44.5760



31.9579, 43.4567, 73.7239



13.2247, 14.7415, 15.6465



17.7099, 31.1166, 19.1696



1.1888, 2.0325, 1.4600

Inverse Universe

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



30.7771, 15.6861, 9.5943



43.3816, 22.1166, 13.2074



29.5746, 15.7806, 1.4879



13.2592, 13.1328, 14.6262



18.2974, 9.3200, 5.9464



1.2265, 0.6202, 0.6019

Previews

White Background



This preview shows how the XYZ color 29.7755, 52.4406, 31.8453 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 29.7755, 52.4406, 31.8453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

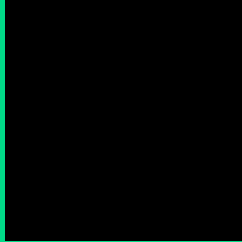
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

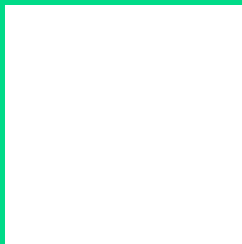
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7755, 52.4406, 31.8453

Background



This preview shows how black text looks on a background with the XYZ color 29.7755, 52.4406, 31.8453.

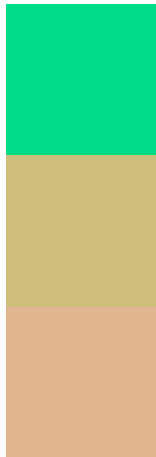


This preview shows how white text looks on a background with the XYZ color 29.7755, 52.4406,

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

29.7755, 52.4406, 31.8453

Protanopia

47.5051, 51.4040, 26.4869

Deuteranopia

52.1934, 51.1575, 33.5090



Tritanopia

39.2884, 52.1677, 79.2328

Trichromacy



Original Color

29.7755, 52.4406, 31.8453



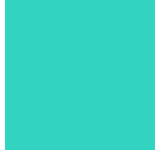
Protanomaly

34.1430, 48.1571, 27.9178



Deuteranomaly

35.4782, 46.7041, 32.3442



Tritanomaly

34.4845, 51.6153, 58.5973

Monochromacy



Original Color

29.7755, 52.4406, 31.8453



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.7843, 33.3242, 30.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7755, 52.4406, 31.8453 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 136) }
```

Border

The CSS property to change the border of an element to XYZ 29.7755, 52.4406, 31.8453 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, 136) }
```


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

```
.border{ border-color:rgb(0, 219, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7755, 52.4406, 31.8453 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, 136) }
```

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

```
.background{ background-color: rgb(0, 219,  
136) }
```

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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