

Converting Colors

XYZ(32.3798, 52.0221, 47.6099)

Have a look what the booklet for
XYZ(32.3798, 52.0221, 47.6099)
contains.

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Color

**XYZ(32.2535, 51.8406,
47.3360)**

Conversions

Conversions Part 1

Format	Color
Hex	1DD7AC
RGB	29, 215, 172
RGB Percent	11%, 84%, 67%
CMY	0.8862, 0.1568, 0.3255
CMYK	0.87, 0.00, 0.20, 0.16
HSL	166°, 76%, 48%
HSV	166°, 87%, 84%
XYZ	32.2535, 51.8406, 47.3360
YIQ	154.4840, -97.0530, -52.8050

Conversions

Conversions Part 2

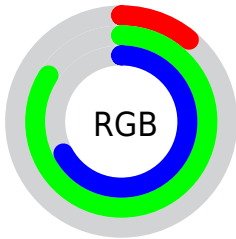
Format	Color
RYB	29, 134, 215
Decimal	1955756
CIELab	77.19, -52.91, 9.15
CIELCh	77, 53.696, 170.183
Yxy	51.8406, 0.2454, 0.3944
Android (android.graphics.Color)	4280145836 (0xFF1DD7AC)
YUV	154.4840, 8.6354, -110.0495
Hunter-Lab	72.0004, -46.0394, 11.4206

Details

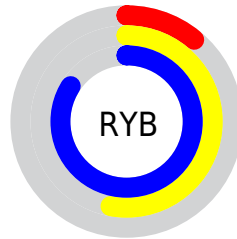
The XYZ color **32.2535, 51.8406, 47.3360** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.6352, 15.7951, 7.6203**, and the grayscale version is **30.9241, 32.5346, 35.4302**.

A 20% lighter version of the original color is **56.3072, 80.5108, 85.2455**, and **15.7883, 26.1523, 21.9851** is the 20% darker color. If you saturate the color by 10%, you get **31.3732, 51.4422, 44.8499**, and if you desaturate by 10%, it is **33.5753, 52.4671, 49.9383**.

Distribution



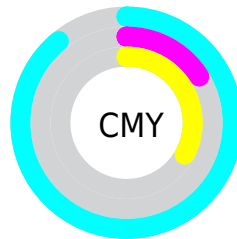
- Red (11%)
- Green (84%)
- Blue (67%)



- Red (11%)
- Yellow (53%)
- Blue (84%)



- Cyan (87%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (89%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2535, 51.8406, 47.3360 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 32.2535, 51.8406, 47.3360 by changing the saturation by 10% instead.

■ 32.2535, 51.8406,
47.3360

■ 32.2535, 51.8406,
47.3360

303.9972,
393.8209, 392.5866

■ 21.7117, 36.8780,
32.9451

■ 62.5708, 92.8961,
87.5702

■ 13.7606, 25.1131,
21.8136

■ 83.0770, 119.7579,
114.2505

■ 8.0349, 16.1613,
13.5230

■ 107.6354,
151.3548, 145.8645

■ 4.1693, 9.6384,
7.6547

■ 136.6113,
188.0713, 182.8305

■ 1.7984, 5.1599,
3.7902

■ 170.3700,
230.2917, 225.5672

■ 0.5167, 2.3414,
1.5110

209.2771,

■ 0.0000, 0.7955,

278.4006, 274.4931

0.2261

253.6977,
332.7822, 330.0267

■ 0.0000, 0.0000,
0.0000

■ 32.2535, 51.8406,
47.3360

■ 32.2535, 51.8406,
47.3360

■ 31.3732, 51.4422,
44.8499

■ 33.5753, 52.4671,
49.9383

■ 31.1196, 51.3299,
44.0051

■ 35.4125, 53.3559,
52.6577

■ 37.8283, 54.5409,
55.4995

■ 40.8753, 56.0491,
58.4670

■ 44.6002, 57.9047,
61.5633

■ 49.0452, 60.1294,
64.7913

■ 54.2491, 62.7430,
68.1538

■ 60.2477, 65.7642,
71.6534

■ 67.0747, 69.2102,
75.2925

Harmonies

Analogous

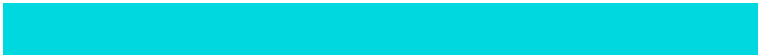
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5997, 51.8406, 27.4087



32.2535, 51.8406, 47.3360



32.9552, 51.8406, 78.3104

Triad

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



32.2535, 51.8406, 47.3360



56.4104, 51.8406, 127.9697



63.0407, 51.8406, 23.1798

Complementary

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



32.2535, 51.8406, 47.3360



29.6352, 15.7951, 7.6203

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.



70.2452, 51.8406, 39.0841



32.2535, 51.8406, 47.3360



66.0633, 51.8406, 100.9933

Square

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



32.2535, 51.8406, 47.3360



45.9800, 51.8406, 132.5919



71.4223, 51.8406, 66.6548



52.7194, 51.8406, 17.0286

Rectangle

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



32.2535, 51.8406, 47.3360



35.6652, 51.8406, 101.4031



71.4223, 51.8406, 66.6548



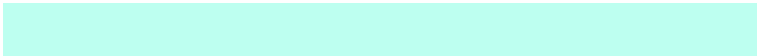
65.9645, 51.8406, 27.2375

Sweetspot

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



32.2549, 51.8426, 47.3372



72.3513, 88.5722, 95.4650



27.2265, 50.0849, 9.3957



14.9678, 18.6983, 20.0727



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.



32.2549, 51.8426, 47.3372



45.7287, 75.5075, 64.4144



26.3018, 32.2249, 69.1260



12.6636, 14.0565, 15.3092



18.6550, 30.7173, 26.5427



1.1558, 1.8650, 1.7621

Inverse Universe

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



29.6352, 15.7951, 7.6203



42.0283, 21.5753, 6.0812



31.0153, 20.0724, 3.4030



12.5397, 12.4674, 13.5164



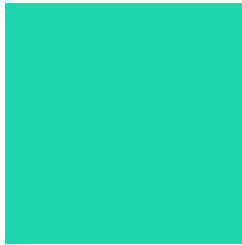
17.1365, 8.7909, 2.7569



1.0659, 0.5432, 0.3365

Previews

White Background



This preview shows how the XYZ color 32.2535, 51.8406, 47.3360 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 32.2535, 51.8406, 47.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

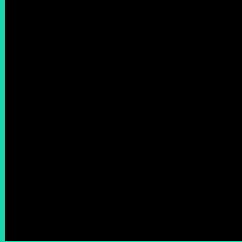
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

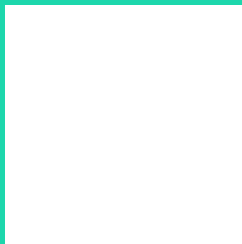
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2535, 51.8406, 47.3360

Background



This preview shows how black text looks on a background with the XYZ color 32.2535, 51.8406, 47.3360.

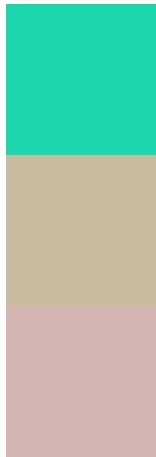


This preview shows how white text looks on a background with the XYZ color 32.2535, 51.8406,

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

32.2535, 51.8406, 47.3360

Protanopia

47.7944, 50.6118, 40.0509

Deuteranopia

51.7286, 50.5595, 49.6804



Tritanopia

38.6723, 51.8501, 79.2040

Trichromacy



Original Color

32.2535, 51.8406, 47.3360



Protanomaly

37.2115, 48.3869, 42.5003



Deuteranomaly

38.8053, 47.7379, 48.2434



Tritanomaly

36.0104, 51.8570, 66.5040

Monochromacy



Original Color

32.2535, 51.8406, 47.3360



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.2650, 36.8751, 39.3461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2535, 51.8406, 47.3360 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(29, 215, 172)` looks like.

```
.text, #text, p{  
  color:rgb(29, 215, 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(29, 215, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 215, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.2535, 51.8406, 47.3360 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(29, 215, 172) }
```


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

```
.border{ border-color:rgb(29, 215, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 215, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 215, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 215, 172);  
box-shadow:4px 4px 4px 4px rgb(29, 215,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2535, 51.8406, 47.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 215, 172) }
```

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

```
.background{ background-color: rgb(29, 215,  
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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