

Converting Colors

XYZ(30.9550, 50.4534, 45.6374)

Have a look what the booklet for
XYZ(30.9550, 50.4534, 45.6374)
contains.

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Color

**XYZ(30.9557, 50.4531,
45.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5A9
RGB	0, 213, 169
RGB Percent	0%, 84%, 66%
CMY	0.9999, 0.1647, 0.3372
CMYK	1.00, 0.00, 0.21, 0.16
HSL	168°, 100%, 42%
HSV	168°, 100%, 84%
XYZ	30.9557, 50.4531, 45.6430
YIQ	144.2970, -112.8240, -58.8400

Conversions

Conversions Part 2

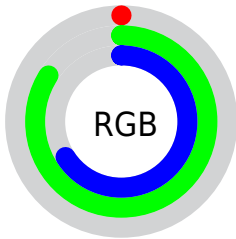
Format	Color
RYB	0, 119, 213
Decimal	54697
CIELab	76.35, -54.04, 9.54
CIELCh	76, 54.871, 169.991
Yxy	50.4531, 0.2436, 0.3971
Android (android.graphics.Color)	4278244777 (0xFF00D5A9)
YUV	144.2970, 12.1786, -126.5485
Hunter-Lab	71.0303, -46.5111, 11.6224

Details

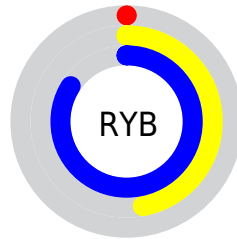
The XYZ color **30.9557, 50.4531, 45.6430** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.8971, 14.3294, 3.6816**, and the grayscale version is **26.6183, 28.0045, 30.4970**.

A 20% lighter version of the original color is **55.0402, 79.9051, 83.0433**, and **15.2679, 25.3983, 20.9273** is the 20% darker color. If you saturate the color by 10%, you get **30.9561, 50.4546, 45.6410**, and if you desaturate by 10%, it is **31.6933, 50.7860, 47.8720**.

Distribution



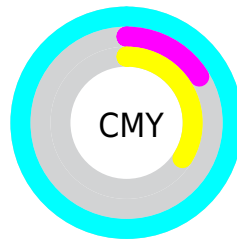
- Red (0%)
- Green (84%)
- Blue (66%)



- Red (0%)
- Yellow (47%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9557, 50.4531, 45.6430 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 30.9557, 50.4531, 45.6430 by changing the saturation by 10% instead.

30.9557, 50.4531,
45.6430

30.9557, 50.4531,
45.6430

298.1647,
388.4352, 385.6073

20.7168, 35.7735,
31.6176

60.5466, 90.8458,
85.0131

13.0284, 24.2594,
20.8072

80.6294, 117.3278,
111.1949

7.5252, 15.5261,
12.7933

104.7241,
148.5128, 142.2658

3.8419, 9.1895,
7.1573

133.1961,
184.7850, 178.6445

1.6131, 4.8650,
3.4807

166.4108,
226.5290, 220.7494

0.4009, 2.1683,
1.3450

204.7336,

0.0000, 0.7026,

274.1291, 268.9992

0.0983

248.5298,
327.9697, 323.8123

■ 0.0000, 0.0000,
0.0000

■ 30.9557, 50.4531,
45.6430

■ 30.9557, 50.4531,
45.6430

■ 30.9561, 50.4546,
45.6410

■ 31.6933, 50.7860,
47.8720

■ 32.7921, 51.3023,
50.1901

■ 34.3697, 52.0638,
52.6045

■ 36.4899, 53.1034,
55.1190

■ 39.2071, 54.4490,
57.7368

■ 42.5685, 56.1250,
60.4607

■ 46.6167, 58.1534,
63.2934

■ 51.3906, 60.5543,
66.2373

■ 56.9263, 63.3461,
69.2948

Harmonies

Analogous

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



34.3117, 50.4531, 25.9130



30.9557, 50.4531, 45.6430



31.6276, 50.4531, 76.7294

Triad

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



30.9557, 50.4531, 45.6430



55.0585, 50.4531, 127.4605



61.8673, 50.4531, 21.9051

Complementary

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



30.9557, 50.4531, 45.6430



27.8971, 14.3294, 3.6816

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.



69.1093, 50.4531, 37.7157



30.9557, 50.4531, 45.6430



64.8043, 50.4531, 100.1372

Square

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



30.9557, 50.4531, 45.6430



44.5893, 50.4531, 131.9960



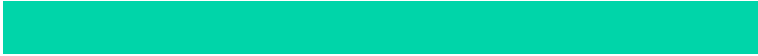
70.2550, 50.4531, 65.4092



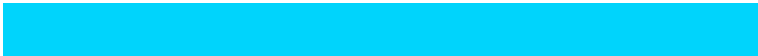
51.4842, 50.4531, 15.8380

Rectangle

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



30.9557, 50.4531, 45.6430



34.3085, 50.4531, 100.1168



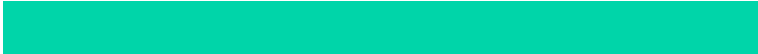
70.2550, 50.4531, 65.4092



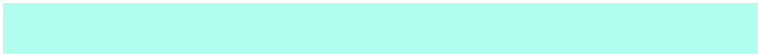
64.8092, 50.4531, 25.9213

Sweetspot

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



30.9571, 50.4551, 45.6442



69.8438, 87.2877, 94.9792



24.9299, 48.1752, 7.9857



14.3701, 18.3926, 19.9375



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.



30.9571, 50.4551, 45.6442



46.4580, 75.7992, 68.2551



23.3469, 27.4762, 67.0260



12.6771, 14.0619, 15.3803



18.9467, 30.8340, 28.0786



1.1711, 1.8711, 1.8427

Inverse Universe

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



27.8971, 14.3294, 3.6816



41.8754, 21.5141, 5.2758



29.0772, 17.4177, 1.8303



12.5272, 12.4624, 13.4503



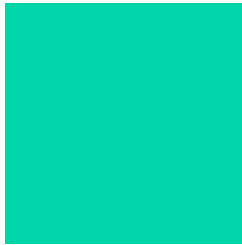
17.0698, 8.7642, 2.4055



1.0601, 0.5408, 0.3057

Previews

White Background



This preview shows how the XYZ color 30.9557, 50.4531, 45.6430 looks on a white background.

Color Contrast Check

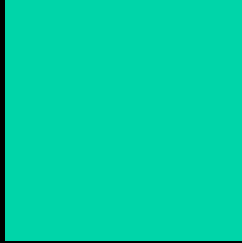
Large Text (above 18pt) WCAG AA × Fail

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 30.9557, 50.4531, 45.6430 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

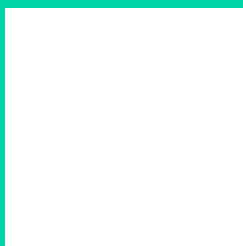
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9557, 50.4531, 45.6430

Background



This preview shows how black text looks on a background with the XYZ color 30.9557, 50.4531, 45.6430.

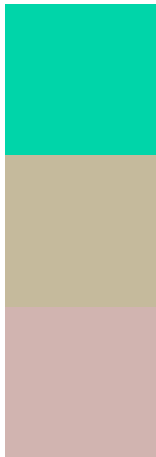


This preview shows how white text looks on a background with the XYZ color 30.9557, 50.4531,

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

30.9557, 50.4531, 45.6430

Protanopia

46.5856, 49.3884, 38.5301

Deuteranopia

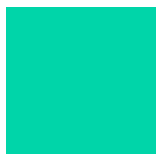
50.4522, 49.3324, 47.9373



Tritanopia

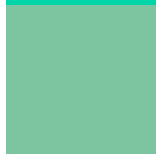
37.4361, 50.5404, 76.8894

Trichromacy



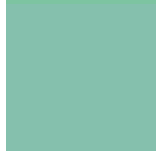
Original Color

30.9557, 50.4531, 45.6430



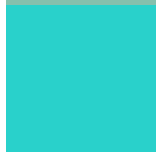
Protanomaly

34.6304, 46.4130, 40.8516



Deuteranomaly

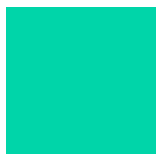
36.0653, 45.7029, 46.4559



Tritanomaly

34.4944, 50.3841, 64.4070

Monochromacy



Original Color

30.9557, 50.4531, 45.6430



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.3514, 32.9512, 35.2137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9557, 50.4531, 45.6430 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, 213, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 169)  
}
```

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, 213, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 169) }
```

Border

The CSS property to change the border of an element to XYZ 30.9557, 50.4531, 45.6430 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, 213, 169) }
```


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

```
.border{ border-color:rgb(0, 213, 169) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9557, 50.4531, 45.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 169) }
```

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

```
.background{ background-color: rgb(0, 213,  
169) }
```

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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