

Converting Colors

XYZ(36.8983, 55.7099, 55.7103)

Have a look what the booklet for
XYZ(36.8983, 55.7099, 55.7103)
contains.

XYZ(36.8269, 55.5530, 55.7955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.8269, 55.5530,
55.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	46DBBB
RGB	70, 219, 187
RGB Percent	27%, 86%, 73%
CMY	0.7255, 0.1412, 0.2667
CMYK	0.68, 0.00, 0.15, 0.14
HSL	167°, 67%, 57%
HSV	167°, 68%, 86%
XYZ	36.8269, 55.5530, 55.7955
YIQ	170.8010, -78.5320, -41.5400

Conversions

Conversions Part 2

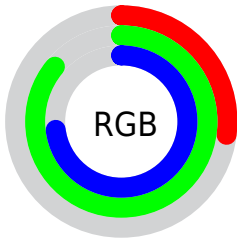
Format	Color
RYB	70, 153, 219
Decimal	4643771
CIELab	79.36, -46.52, 4.37
CIELCh	79, 46.721, 174.638
Yxy	55.5530, 0.2485, 0.3749
Android (android.graphics.Color)	4282833851 (0xFF46DBBB)
YUV	170.8010, 7.9861, -88.4025
Hunter-Lab	74.5339, -42.2381, 7.7897

Details

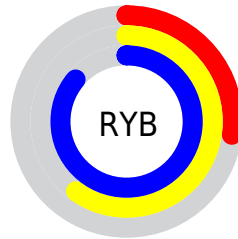
The XYZ color **36.8269, 55.5530, 55.7955** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **33.8037, 20.4011, 14.7284**, and the grayscale version is **38.5998, 40.6100, 44.2243**.

A 20% lighter version of the original color is **62.0910, 83.2253, 97.5856**, and **17.4003, 27.9156, 27.0254** is the 20% darker color. If you saturate the color by 10%, you get **35.0307, 54.6856, 53.1266**, and if you desaturate by 10%, it is **39.2185, 56.7281, 58.5808**.

Distribution



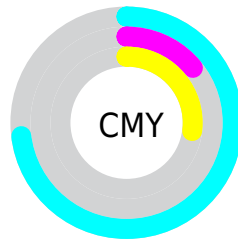
- Red (27%)
- Green (86%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (73%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8269, 55.5530, 55.7955 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 36.8269, 55.5530, 55.7955 by changing the saturation by 10% instead.


 36.8269, 55.5530,
55.7955


 36.8269, 55.5530,
55.7955


323.9290,
408.0048, 426.2870


 25.2466, 39.8446,
39.6361


 69.6220, 98.3507,
100.1883


 16.3906, 27.4174,
26.9433


 91.5675, 126.2089,
129.2588

 9.8935, 17.8870,
17.2986


 117.6988,
158.8857, 163.4701

 5.3901, 10.8689,
10.2834

 148.3812,
196.7657, 203.2407

 2.5150, 5.9787,
5.4792

183.9801,
240.2332, 248.9891

 0.9028, 2.8322,
2.4675

224.8607,

 0.0000, 1.0447,

289.6726, 301.1340

0.8228

271.3886,
345.4684, 360.0937

■ 0.0000, 0.0000,
0.0000

■ 36.8269, 55.5530,
55.7955

■ 36.8269, 55.5530,
55.7955

■ 35.0307, 54.6856,
53.1266

■ 39.2185, 56.7281,
58.5808

■ 33.7589, 54.0853,
50.5664

■ 42.2572, 58.2335,
61.4821


■ 32.9186, 53.7056,
48.1108


■ 45.9941, 60.0970,
64.5038


■ 32.7756, 53.6422,
47.6391


■ 50.4741, 62.3416,
67.6488

■ 55.7382, 64.9883,
70.9197

 61.8242, 68.0569,
74.3190

 68.7676, 71.5654,
77.8493

 76.6018, 75.5311,
81.5128

 80.7623, 77.6009,
85.0966

Harmonies

Analogous

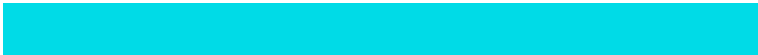
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.4368, 55.5530, 35.2829



36.8269, 55.5530, 55.7955



38.0678, 55.5530, 84.6321

Triad

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



36.8269, 55.5530, 55.7955



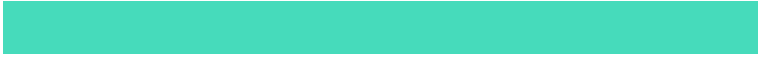
60.6689, 55.5530, 120.5096



63.9227, 55.5530, 27.4274

Complementary

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



36.8269, 55.5530, 55.7955



33.8037, 20.4011, 14.7284

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.



70.9171, 55.5530, 41.4368



36.8269, 55.5530, 55.7955



68.8884, 55.5530, 95.5091

Square

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



36.8269, 55.5530, 55.7955



51.1366, 55.5530, 127.7246



72.8336, 55.5530, 65.4360



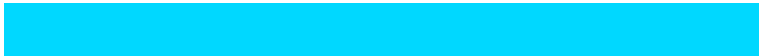
54.5021, 55.5530, 22.3026

Rectangle

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



36.8269, 55.5530, 55.7955



40.9976, 55.5530, 104.4354



72.8336, 55.5530, 65.4360



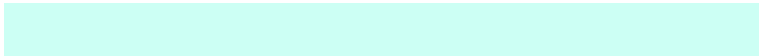
66.6778, 55.5530, 31.0087

Sweetspot

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



36.8285, 55.5552, 55.7968



76.9980, 90.8918, 99.1104



31.9504, 53.9489, 14.5245



16.0200, 19.2228, 20.9320



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.



36.8285, 55.5552, 55.7968



48.5262, 76.7561, 73.2889



30.9930, 37.7773, 72.6786



13.3189, 14.7792, 16.1421



19.4755, 31.8228, 28.4670



1.2922, 2.0738, 2.0046

Inverse Universe

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



33.8037, 20.4011, 14.7284



44.0933, 23.9583, 12.1552



36.1388, 27.1402, 9.1291



13.1699, 13.0971, 14.1561



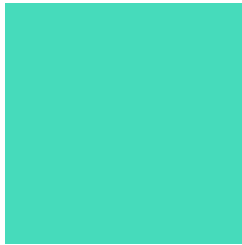
17.6599, 9.0650, 2.5893



1.1762, 0.6001, 0.3369

Previews

White Background



This preview shows how the XYZ color 36.8269, 55.5530, 55.7955 looks on a white background.

Color Contrast Check

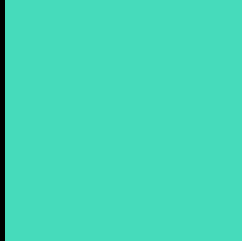
Large Text (above 18pt) WCAG AA × Fail

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 36.8269, 55.5530, 55.7955 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

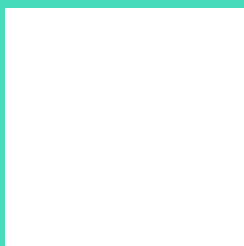
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8269, 55.5530, 55.7955

Background



This preview shows how black text looks on a background with the XYZ color 36.8269, 55.5530, 55.7955.



This preview shows how white text looks on a background with the XYZ color 36.8269, 55.5530,

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

36.8269, 55.5530, 55.7955

Protanopia

51.5604, 54.3361, 47.8148

Deuteranopia

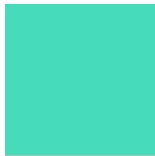
55.6668, 54.5864, 58.6412



Tritanopia

42.2936, 55.4753, 83.3416

Trichromacy



Original Color

36.8269, 55.5530, 55.7955



Protanomaly

43.0102, 52.9351, 50.5984



Deuteranomaly

44.9585, 52.7515, 57.1027



Tritanomaly

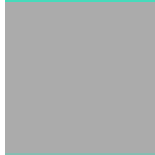
40.0053, 55.2949, 72.1828

Monochromacy



Original Color

36.8269, 55.5530, 55.7955



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.7505, 44.2091, 48.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8269, 55.5530, 55.7955 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(70, 219, 187)` looks like.

```
.text, #text, p{  
    color:rgb(70, 219, 187)  
}
```

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(70, 219, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 187) }
```

Border

The CSS property to change the border of an element to XYZ 36.8269, 55.5530, 55.7955 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(70, 219, 187) }
```


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

```
.border{ border-color:rgb(70, 219, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 219, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 187);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8269, 55.5530, 55.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 219, 187) }
```

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

```
.background{ background-color: rgb(70, 219,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor