

Converting Colors

XYZ(36.3344, 55.2300, 55.0239)

Have a look what the booklet for
XYZ(36.3344, 55.2300, 55.0239)
contains.

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Color

**XYZ(36.4412, 55.3665,
55.2205)**

Conversions

Conversions Part 1

Format	Color
Hex	42DBBA
RGB	66, 219, 186
RGB Percent	26%, 86%, 73%
CMY	0.7412, 0.1412, 0.2706
CMYK	0.70, 0.00, 0.15, 0.14
HSL	167°, 68%, 56%
HSV	167°, 70%, 86%
XYZ	36.4412, 55.3665, 55.2205
YIQ	169.4910, -80.5950, -42.6990

Conversions

Conversions Part 2

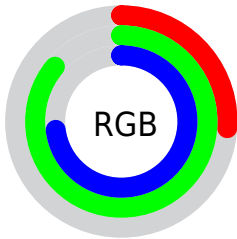
Format	Color
R _{YB}	66, 152, 219
Decimal	4381626
CIE Lab	79.25, -47.33, 4.73
CIE LCh	79, 47.569, 174.289
Yxy	55.3665, 0.2479, 0.3766
Android (android.graphics.Color)	4282571706 (0xFF42DBBA)
YUV	169.4910, 8.1389, -90.7616
Hunter-Lab	74.4087, -42.7959, 8.0855

Details

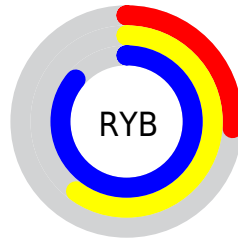
The XYZ color **36.4412, 55.3665, 55.2205** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **33.4156, 19.8588, 13.8783**, and the grayscale version is **37.9465, 39.9227, 43.4758**.

A 20% lighter version of the original color is **61.4599, 82.9174, 96.7698**, and **17.3308, 27.8878, 26.6598** is the 20% darker color. If you saturate the color by 10%, you get **34.7448, 54.5504, 52.5637**, and if you desaturate by 10%, it is **38.7219, 56.4846, 57.9938**.

Distribution



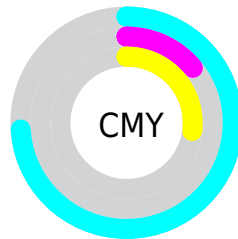
- Red (26%)
- Green (86%)
- Blue (73%)



- Red (26%)
- Yellow (60%)
- Blue (86%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (74%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4412, 55.3665, 55.2205 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 36.4412, 55.3665, 55.2205 by changing the saturation by 10% instead.


 36.4412, 55.3665,
55.2205


 36.4412, 55.3665,
55.2205


322.2826,
407.2997, 424.0527


 24.9468, 39.6952,
39.1785


 69.0319, 98.0777,
99.3383


 16.1660, 27.3010,
26.5897


 90.8590, 125.8865,
128.2512

 9.7333, 17.7994,
17.0356


 116.8610,
158.5098, 162.2915

 5.2834, 10.8061,
10.0977

 147.4033,
196.3322, 201.8778

 2.4509, 5.9366,
5.3573

182.8513,
239.7380, 247.4285

 0.8706, 2.8066,
2.3960

223.5702,

 0.0000, 1.0316,

289.1116, 299.3621

0.7843

269.9255,
344.8373, 358.0974

■ 0.0000, 0.0000,
0.0000

■ 36.4412, 55.3665,
55.2205

■ 36.4412, 55.3665,
55.2205

■ 34.7448, 54.5504,
52.5637

■ 38.7219, 56.4846,
57.9938

■ 33.5593, 53.9944,
50.0154

■ 41.6401, 57.9281,
60.8833


■ 32.7663, 53.6389,
47.5705


■ 45.2481, 59.7252,
63.8933


■ 32.7562, 53.6344,
47.5370


■ 49.5914, 61.8994,
67.0268

■ 54.7117, 64.4721,
70.2866

 60.6473, 67.4632,
73.6752

 67.4342, 70.8911,
77.1950

 75.1060, 74.7731,
80.8484

 80.6480, 77.5552,
84.4950

Harmonies

Analogous

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



39.1255, 55.3665, 34.5858



36.4412, 55.3665, 55.2205



37.6506, 55.3665, 84.5021

Triad

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



36.4412, 55.3665, 55.2205



60.5124, 55.3665, 121.7488



64.0392, 55.3665, 26.9690

Complementary

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



36.4412, 55.3665, 55.2205



33.4156, 19.8588, 13.8783

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.



71.1192, 55.3665, 41.2021



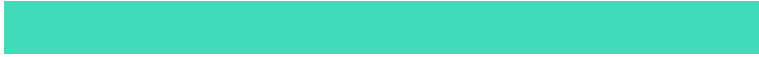
36.4412, 55.3665, 55.2205



68.9174, 55.3665, 96.3231

Square

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



36.4412, 55.3665, 55.2205



50.8249, 55.3665, 128.8768



73.0038, 55.3665, 65.6494



54.4655, 55.3665, 21.7395

Rectangle

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



36.4412, 55.3665, 55.2205



40.5866, 55.3665, 104.7615



73.0038, 55.3665, 65.6494



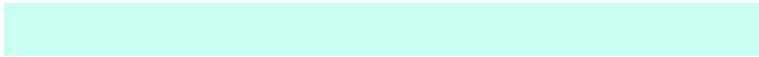
66.8337, 55.3665, 30.6050

Sweetspot

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



36.4428, 55.3687, 55.2218



76.2141, 90.4982, 98.6010



31.4786, 53.7198, 13.8651



15.8668, 19.1460, 20.8279



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.



36.4428, 55.3687, 55.2218



48.1499, 76.5807, 72.4334



30.4915, 37.1884, 72.5914



13.3183, 14.7790, 16.1393



19.4641, 31.8183, 28.4072



1.2915, 2.0736, 2.0012

Inverse Universe

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



33.4156, 19.8588, 13.8783



43.7465, 23.5203, 11.2517



35.7047, 26.4673, 8.3821



13.1704, 13.0973, 14.1587



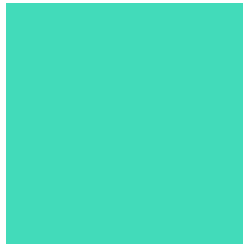
17.6625, 9.0660, 2.6026



1.1765, 0.6002, 0.3382

Previews

White Background



This preview shows how the XYZ color 36.4412, 55.3665, 55.2205 looks on a white background.

Color Contrast Check

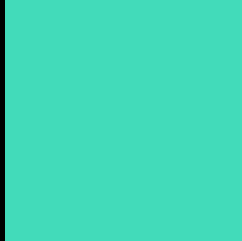
Large Text (above 18pt) WCAG AA × Fail

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 36.4412, 55.3665, 55.2205 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

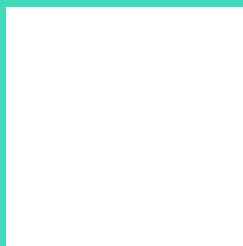
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4412, 55.3665, 55.2205

Background



This preview shows how black text looks on a background with the XYZ color 36.4412, 55.3665, 55.2205.



This preview shows how white text looks on a background with the XYZ color 36.4412, 55.3665,

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

36.4412, 55.3665, 55.2205

Protanopia

51.4632, 54.2972, 47.3032

Deuteranopia

55.3404, 54.1128, 57.9801



Tritanopia

42.0077, 55.3279, 83.3282

Trichromacy



Original Color

36.4412, 55.3665, 55.2205



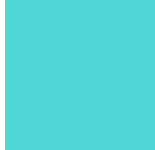
Protanomaly

42.5287, 52.6985, 50.0498



Deuteranomaly

44.2149, 52.0381, 56.4292



Tritanomaly

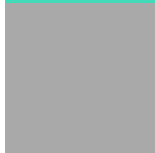
39.6625, 55.1182, 72.1668

Monochromacy



Original Color

36.4412, 55.3665, 55.2205



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.0239, 43.5413, 47.1158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4412, 55.3665, 55.2205 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(66, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(66, 219, 186)  
}
```

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(66, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 219, 186) }
```

Border

The CSS property to change the border of an element to XYZ 36.4412, 55.3665, 55.2205 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(66, 219, 186) }
```


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

```
.border{ border-color:rgb(66, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(66, 219,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4412, 55.3665, 55.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 219, 186) }
```

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

```
.background{ background-color: rgb(66, 219,  
186) }
```

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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