

Converting Colors

XYZ(37.4730, 58.8089, 55.3711)

Have a look what the booklet for
XYZ(37.4730, 58.8089, 55.3711)
contains.

XYZ(37.3695, 58.6256, 55.2452)	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(37.3695, 58.6256,
55.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	34E2B9
RGB	52, 226, 185
RGB Percent	20%, 89%, 73%
CMY	0.7960, 0.1137, 0.2745
CMYK	0.77, 0.00, 0.18, 0.11
HSL	166°, 75%, 55%
HSV	166°, 77%, 89%
XYZ	37.3695, 58.6256, 55.2452
YIQ	169.3000, -90.5430, -49.6390

Conversions

Conversions Part 2

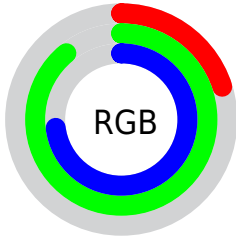
Format	Color
RYB	52, 151, 226
Decimal	3465913
CIELab	81.09, -52.18, 7.87
CIElCh	81, 52.768, 171.421
Yxy	58.6256, 0.2471, 0.3876
Android (android.graphics.Color)	4281655993 (0xFF34E2B9)
YUV	169.3000, 7.7401, -102.8721
Hunter-Lab	76.5674, -46.8741, 10.8180

Details

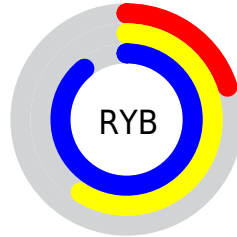
The XYZ color **37.3695, 58.6256, 55.2452** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed spring green. A complement of this color would be **34.5698, 19.4166, 12.2842**, and the grayscale version is **37.8576, 39.8292, 43.3740**.

A 20% lighter version of the original color is **60.0946, 82.2308, 95.9239**, and **18.5396, 30.4154, 26.7234** is the 20% darker color. If you saturate the color by 10%, you get **35.9209, 57.9440, 52.2983**, and if you desaturate by 10%, it is **39.3986, 59.6069, 58.3319**.

Distribution



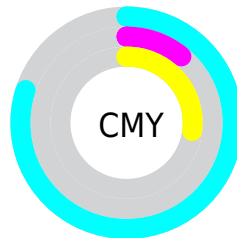
- Red (20%)
- Green (89%)
- Blue (73%)



- Red (20%)
- Yellow (59%)
- Blue (89%)



- Cyan (77%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (80%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3695, 58.6256, 55.2452 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 37.3695, 58.6256, 55.2452 by changing the saturation by 10% instead.

 37.3695, 58.6256,
55.2452


 37.3695, 58.6256,
55.2452


326.2353,
419.5130, 424.1488

 25.6687, 42.3118,
39.1981


 70.4509, 102.8333,
99.3749


 16.7073, 29.3455,
26.6049


 92.5621, 131.4960,
128.2946


 10.1201, 19.3424,
17.0469


 118.8743,
165.0438, 162.3422

 5.5415, 11.9179,
10.1056

 149.7526,
203.8611, 201.9364

 2.6063, 6.6878,
5.3625

 185.5625,
248.3323, 247.4956

 0.9492, 3.2676,
2.3991

226.6694,

 0.0000, 1.2730,

298.8417, 299.4384

0.7859

273.4385,
355.7739, 358.1833

■ 0.0000, 0.1202,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3695, 58.6256,
55.2452

■ 37.3695, 58.6256,
55.2452

■ 35.9209, 57.9440,
52.2983

■ 39.3986, 59.6069,
58.3319


■ 34.9568, 57.5083,
49.4815


■ 42.0739, 60.9174,
61.5586


■ 34.7156, 57.4020,
48.6564


■ 45.4569, 62.5903,
64.9308


■ 49.6009, 64.6529,
68.4519

 54.5537, 67.1300,
72.1255

 60.3594, 70.0442,
75.9546

 67.0586, 73.4165,
79.9422

 74.6894, 77.2664,
84.0912

 83.1359, 81.5341,
88.3971

Harmonies

Analogous

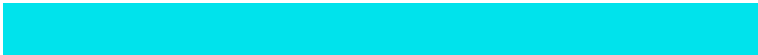
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8143, 58.6256, 33.1035



37.3695, 58.6256, 55.2452



38.3123, 58.6256, 88.5175

Triad

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



37.3695, 58.6256, 55.2452



63.7805, 58.6256, 138.1374



69.9272, 58.6256, 27.3148

Complementary

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



37.3695, 58.6256, 55.2452



34.5698, 19.4166, 12.2842

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.



77.7383, 58.6256, 44.2262



37.3695, 58.6256, 55.2452



73.8783, 58.6256, 109.3637

Square

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



37.3695, 58.6256, 55.2452



52.6364, 58.6256, 144.0675



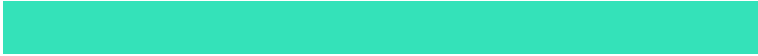
79.2720, 58.6256, 73.2683



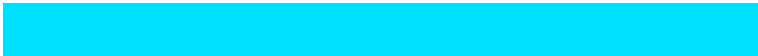
58.9256, 58.6256, 20.8138

Rectangle

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



37.3695, 58.6256, 55.2452



41.3629, 58.6256, 112.6818



79.2720, 58.6256, 73.2683



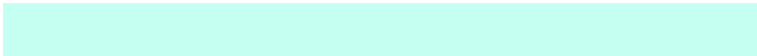
73.0700, 58.6256, 31.6445

Sweetspot

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



37.3711, 58.6279, 55.2466



74.5201, 89.6643, 96.7388



32.5896, 57.1029, 12.5542



15.3828, 18.9073, 20.3190



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.



37.3711, 58.6279, 55.2466



46.4489, 75.8298, 66.6585



31.9762, 39.8846, 77.9673



13.9712, 15.5142, 16.8836



19.8527, 32.7659, 28.0110



1.4099, 2.2847, 2.1196

Inverse Universe

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



34.5698, 19.4166, 12.2842



42.7908, 22.2920, 8.8274



36.1233, 24.6935, 6.1123



13.8389, 13.7532, 14.9220



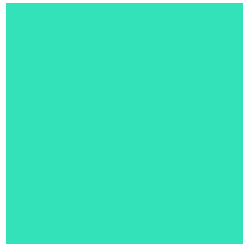
18.3016, 9.3876, 2.9878



1.3031, 0.6645, 0.3890

Previews

White Background



This preview shows how the XYZ color 37.3695, 58.6256, 55.2452 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 37.3695, 58.6256, 55.2452 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

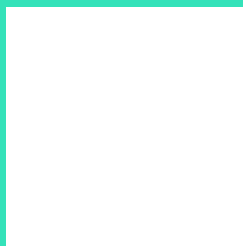
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3695, 58.6256, 55.2452

Background



This preview shows how black text looks on a background with the XYZ color 37.3695, 58.6256, 55.2452.

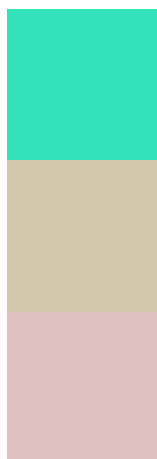


This preview shows how white text looks on a background with the XYZ color 37.3695, 58.6256,

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

37.3695, 58.6256, 55.2452

Protanopia

54.3525, 57.4888, 46.7598

Deuteranopia

58.7086, 57.4753, 57.8687



Tritanopia

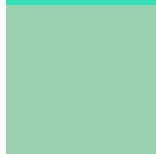
44.0973, 58.5713, 89.1020

Trichromacy



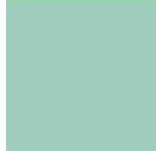
Original Color

37.3695, 58.6256, 55.2452



Protanomaly

43.7738, 55.5078, 49.4813



Deuteranomaly

45.5138, 54.8103, 56.3247



Tritanomaly

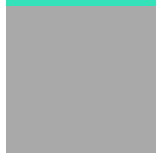
41.3747, 58.6441, 75.4684

Monochromacy



Original Color

37.3695, 58.6256, 55.2452



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.7555, 44.3577, 47.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3695, 58.6256, 55.2452 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(52, 226, 185)` looks like.

```
.text, #text, p{  
    color:rgb(52, 226, 185)  
}
```

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(52, 226, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 226, 185) }
```

Border

The CSS property to change the border of an element to XYZ 37.3695, 58.6256, 55.2452 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(52, 226, 185) }
```


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

```
.border{ border-color:rgb(52, 226, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 226, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 226, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 226, 185);  
box-shadow:4px 4px 4px 4px rgb(52, 226,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3695, 58.6256, 55.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 226, 185) }
```

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

```
.background{ background-color: rgb(52, 226,  
185) }
```

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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