

Converting Colors

XYZ(37.0919, 58.5696, 56.1714)

Have a look what the booklet for
XYZ(37.0919, 58.5696, 56.1714)
contains.

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Color

**XYZ(37.0411, 58.4317,
56.3399)**

Conversions

Conversions Part 1

Format	Color
Hex	28E2BB
RGB	40, 226, 187
RGB Percent	16%, 89%, 73%
CMY	0.8431, 0.1137, 0.2667
CMYK	0.82, 0.00, 0.17, 0.11
HSL	167°, 76%, 52%
HSV	167°, 82%, 89%
XYZ	37.0411, 58.4317, 56.3399
YIQ	165.9400, -98.3370, -51.5610

Conversions

Conversions Part 2

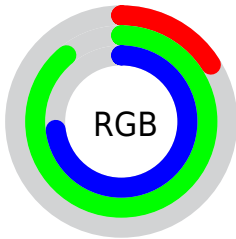
Format	Color
RYB	40, 144, 226
Decimal	2679483
CIELab	80.98, -52.79, 6.64
CIELCh	81, 53.208, 172.832
Yxy	58.4317, 0.2440, 0.3849
Android (android.graphics.Color)	4280869563 (0xFF28E2BB)
YUV	165.9400, 10.3826, -110.4494
Hunter-Lab	76.4406, -47.2747, 9.8093

Details

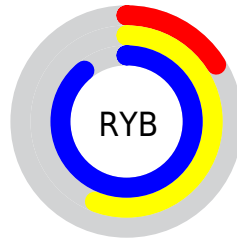
The XYZ color **37.0411, 58.4317, 56.3399** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **33.5362, 18.2525, 9.1554**, and the grayscale version is **36.2045, 38.0900, 41.4800**.

A 20% lighter version of the original color is **59.6834, 81.9841, 97.4729**, and **18.6778, 30.4707, 27.4513** is the 20% darker color. If you saturate the color by 10%, you get **35.9066, 57.9059, 53.6829**, and if you desaturate by 10%, it is **38.7084, 59.2330, 59.1119**.

Distribution



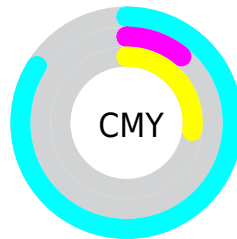
- Red (16%)
- Green (89%)
- Blue (73%)



- Red (16%)
- Yellow (56%)
- Blue (89%)



- Cyan (82%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)





- Cyan (84%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0411, 58.4317, 56.3399 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 37.0411, 58.4317, 56.3399 by changing the saturation by 10% instead.


 37.0411, 58.4317,
56.3399


 37.0411, 58.4317,
56.3399


324.8409,
418.7926, 428.3954


 25.4131, 42.1558,
40.0697


 69.9494, 102.5512,
100.9921


 16.5155, 29.2233,
27.2787


 91.9605, 131.1637,
130.2112

 9.9828, 19.2498,
17.5483


 118.1633,
164.6571, 164.5837

 5.4497, 11.8509,
10.4601

 148.9232,
203.4159, 204.5280

 2.5509, 6.6423,
5.5955

 184.6055,
247.8244, 250.4629

 0.9210, 3.2394,
2.5360

225.5757,

 0.0000, 1.2580,

298.2672, 302.8067

0.8591

272.1990,
355.1284, 361.9780

■ 0.0000, 0.1083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0411, 58.4317,
56.3399

■ 37.0411, 58.4317,
56.3399

■ 35.9066, 57.9059,
53.6829


■ 38.7084, 59.2330,
59.1119


■ 35.2947, 57.6336,
51.7062


■ 40.9816, 60.3434,
61.9991


■ 43.9275, 61.7985,
65.0069


■ 47.6025, 63.6275,
68.1387

 52.0570, 65.8564,
71.3976

 57.3369, 68.5087,
74.7865

 63.4845, 71.6064,
78.3082

 70.5391, 75.1695,
81.9652

 78.5377, 79.2172,
85.7601

Harmonies

Analogous

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



40.2940, 58.4317, 33.5297



37.0411, 58.4317, 56.3399



38.1948, 58.4317, 90.2196

Triad

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



37.0411, 58.4317, 56.3399



64.1798, 58.4317, 137.6241



69.3611, 58.4317, 26.4583

Complementary

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



37.0411, 58.4317, 56.3399



33.5362, 18.2525, 9.1554

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.



77.4665, 58.4317, 42.8448



37.0411, 58.4317, 56.3399



74.2094, 58.4317, 107.8245

Square

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



37.0411, 58.4317, 56.3399



52.9329, 58.4317, 144.9146



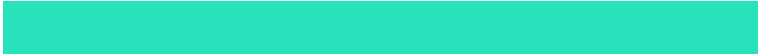
79.3490, 58.4317, 71.5064



58.2263, 58.4317, 20.3838

Rectangle

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



37.0411, 58.4317, 56.3399



41.3913, 58.4317, 114.4918



79.3490, 58.4317, 71.5064



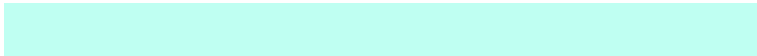
72.5875, 58.4317, 30.6190

Sweetspot

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



37.0427, 58.4340, 56.3413



73.2805, 89.0175, 97.0346



30.9151, 56.2670, 11.2398



15.1566, 18.7879, 20.4316



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.



37.0427, 58.4340, 56.3413



46.4599, 75.8037, 68.0985



29.6059, 35.9473, 77.3322



13.9870, 15.5205, 16.9668



20.1797, 32.8967, 29.7328



1.4300, 2.2927, 2.2255

Inverse Universe

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



33.5362, 18.2525, 9.1554



41.9690, 21.5959, 5.6325



35.6373, 24.1005, 4.7822



13.8242, 13.7473, 14.8446



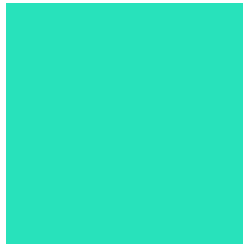
18.2255, 9.3572, 2.5873



1.2959, 0.6616, 0.3512

Previews

White Background



This preview shows how the XYZ color 37.0411, 58.4317, 56.3399 looks on a white background.

Color Contrast Check

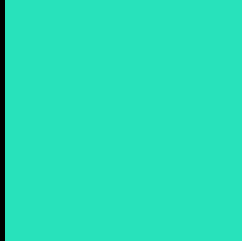
Large Text (above 18pt) WCAG AA × Fail

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 37.0411, 58.4317, 56.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

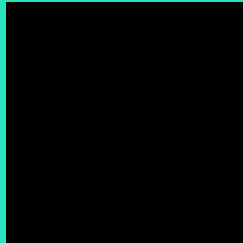
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

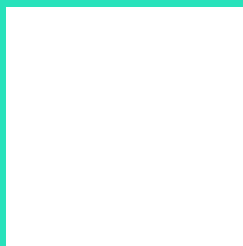
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0411, 58.4317, 56.3399

Background



This preview shows how black text looks on a background with the XYZ color 37.0411, 58.4317, 56.3399.

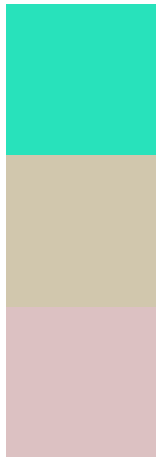


This preview shows how white text looks on a background with the XYZ color 37.0411, 58.4317,

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

37.0411, 58.4317, 56.3399

Protanopia

54.2607, 57.4193, 47.7583

Deuteranopia

58.3228, 57.2506, 59.0155



Tritanopia

43.5192, 58.2733, 89.0749

Trichromacy



Original Color

37.0411, 58.4317, 56.3399



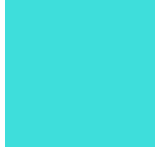
Protanomaly

43.0491, 55.1112, 50.4881



Deuteranomaly

44.7529, 54.3928, 57.4303



Tritanomaly

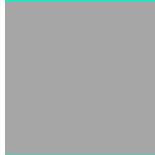
40.8941, 58.3812, 76.1312

Monochromacy



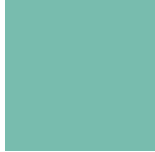
Original Color

37.0411, 58.4317, 56.3399



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.3689, 43.0155, 46.5885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0411, 58.4317, 56.3399 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(40, 226, 187)` looks like.

```
.text, #text, p{  
    color:rgb(40, 226, 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(40, 226, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 226, 187) }
```

Border

The CSS property to change the border of an element to XYZ 37.0411, 58.4317, 56.3399 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(40, 226, 187) }
```


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

```
.border{ border-color:rgb(40, 226, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 226, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 226, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 226, 187);  
box-shadow:4px 4px 4px 4px rgb(40, 226,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0411, 58.4317, 56.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 226, 187) }
```

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

```
.background{ background-color: rgb(40, 226,  
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](#).

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