

Converting Colors

XYZ(37.3811, 58.4711, 59.8331)

Have a look what the booklet for
XYZ(37.3811, 58.4711, 59.8331)
contains.

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Color

**XYZ(37.4177, 58.5500,
59.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	20E2C1
RGB	32, 226, 193
RGB Percent	13%, 89%, 76%
CMY	0.8744, 0.1137, 0.2431
CMYK	0.86, 0.00, 0.15, 0.11
HSL	170°, 77%, 51%
HSV	170°, 86%, 89%
XYZ	37.4177, 58.5500, 59.7813
YIQ	164.2320, -105.0310, -51.3910

Conversions

Conversions Part 2

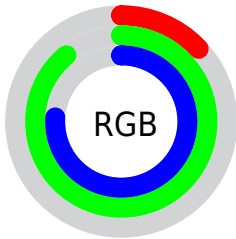
Format	Color
R_{YB}	32, 138, 226
Decimal	2155201
CIE _{Lab}	81.04, -51.84, 3.55
CIE _{LCh}	81, 51.961, 176.085
Yxy	58.5500, 0.2402, 0.3759
Android (android.graphics.Color)	4280345281 (0xFF20E2C1)
YUV	164.2320, 14.1826, -115.9675
Hunter-Lab	76.5180, -46.6190, 7.2410

Details

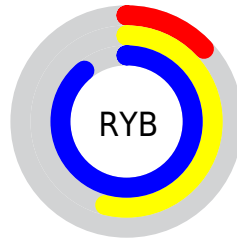
The XYZ color **37.4177, 58.5500, 59.7813** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed cyan. A complement of this color would be **32.8368, 17.5852, 6.6677**, and the grayscale version is **35.3708, 37.2128, 40.5247**.

A 20% lighter version of the original color is **60.1950, 82.1415, 102.3048**, and **19.1083, 30.6429, 29.7185** is the 20% darker color. If you saturate the color by 10%, you get **36.5175, 58.1363, 57.5303**, and if you desaturate by 10%, it is **38.8125, 59.2202, 62.1163**.

Distribution



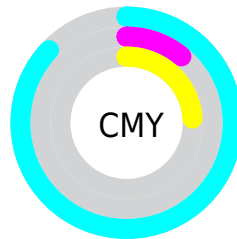
- Red (13%)
- Green (89%)
- Blue (76%)



- Red (13%)
- Yellow (54%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)



- Cyan (87%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4177, 58.5500, 59.7813 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 37.4177, 58.5500, 59.7813 by changing the saturation by 10% instead.


 37.4177, 58.5500,
59.7813


 37.4177, 58.5500,
59.7813


326.4396,
419.2322, 441.5734


 25.7062, 42.2510,
42.8182


 70.5244, 102.7234,
106.0526

 16.7355, 29.2979,
29.4122


 92.6504, 131.3665,
136.1979


 10.1402, 19.3063,
19.1446


 118.9785,
164.8931, 171.5744

 5.5550, 11.8918,
11.5969

 149.8742,
203.6876, 212.6007

 2.6145, 6.6700,
6.3507

 185.7028,
248.1343, 259.6951

 0.9534, 3.2566,
2.9872

226.8297,

 0.0000, 1.2671,

298.6178, 313.2764

1.0881

273.6202,
355.5223, 373.7630

■ 0.0000, 0.1155,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4177, 58.5500,
59.7813

■ 37.4177, 58.5500,
59.7813

■ 36.5175, 58.1363,
57.5303

■ 38.8125, 59.2202,
62.1163

■ 36.2264, 58.0062,
56.6127

■ 40.7819, 60.1840,
64.5356

■ 43.3964, 61.4790,
67.0441

■ 46.7151, 63.1357,
69.6450

■ 50.7901, 65.1810,
72.3413

■ 55.6689, 67.6393,
75.1355

■ 61.3948, 70.5330,
78.0301

■ 68.0081, 73.8828,
81.0274

■ 75.5465, 77.7081,
84.1295

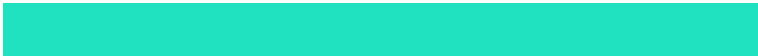
Harmonies

Analogous

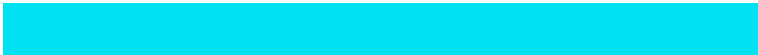
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.1526, 58.5500, 36.0217



37.4177, 58.5500, 59.7813



39.0243, 58.5500, 93.5961

Triad

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



37.4177, 58.5500, 59.7813



65.2763, 58.5500, 133.3588



68.0421, 58.5500, 26.0728

Complementary

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



37.4177, 58.5500, 59.7813



32.8368, 17.5852, 6.6677

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.



76.4320, 58.5500, 41.0385



37.4177, 58.5500, 59.7813



74.6959, 58.5500, 102.9651

Square

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



37.4177, 58.5500, 59.7813



54.2461, 58.5500, 143.2632



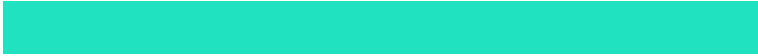
79.0108, 58.5500, 67.8926



57.0780, 58.5500, 20.9580

Rectangle

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



37.4177, 58.5500, 59.7813



42.4694, 58.5500, 116.8234



79.0108, 58.5500, 67.8926



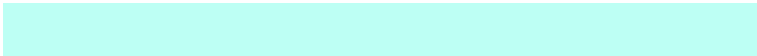
71.3093, 58.5500, 29.8227

Sweetspot

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



37.4194, 58.5523, 59.7827



72.9587, 88.8152, 98.6635



29.8131, 55.7129, 10.5502



15.1137, 18.7567, 20.8410



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.



37.4194, 58.5523, 59.7827



47.5956, 76.2542, 74.2452



27.7027, 32.5557, 76.7777



14.0112, 15.5302, 17.0943



20.7051, 33.1069, 32.4999



1.4620, 2.3055, 2.3940

Inverse Universe

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



32.8368, 17.5852, 6.6677



41.6831, 21.4372, 4.2632



35.5798, 24.1811, 4.1600



13.8019, 13.7384, 14.7271



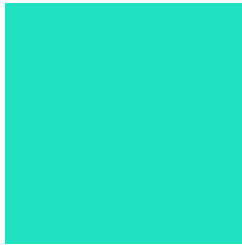
18.1267, 9.3177, 2.0669



1.2854, 0.6574, 0.2958

Previews

White Background



This preview shows how the XYZ color 37.4177, 58.5500, 59.7813 looks on a white background.

Color Contrast Check

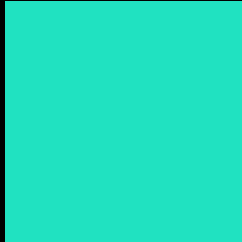
Large Text (above 18pt) WCAG AA × Fail

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 37.4177, 58.5500, 59.7813 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

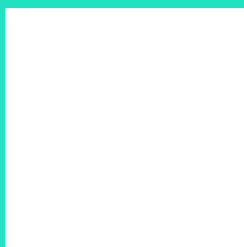
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4177, 58.5500, 59.7813

Background



This preview shows how black text looks on a background with the XYZ color 37.4177, 58.5500, 59.7813.

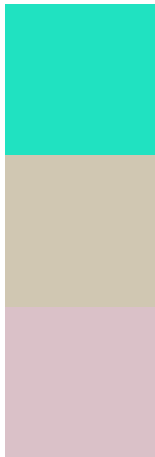


This preview shows how white text looks on a background with the XYZ color 37.4177, 58.5500,

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

37.4177, 58.5500, 59.7813

Protanopia

54.4717, 57.4711, 50.3415

Deuteranopia

58.4087, 57.2155, 62.6088



Tritanopia

43.4801, 58.6247, 89.9130

Trichromacy



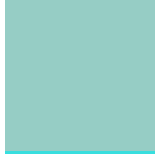
Original Color

37.4177, 58.5500, 59.7813



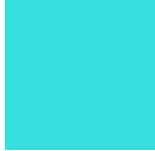
Protanomaly

42.8493, 54.9491, 53.1476



Deuteranomaly

44.4870, 54.1779, 60.9360



Tritanomaly

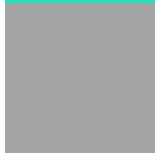
40.9370, 58.3572, 78.2137

Monochromacy



Original Color

37.4177, 58.5500, 59.7813



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7106, 42.3488, 47.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4177, 58.5500, 59.7813 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(32, 226, 193)` looks like.

```
.text, #text, p{  
    color:rgb(32, 226, 193)  
}
```

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(32, 226, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 226, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.4177, 58.5500, 59.7813 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(32, 226, 193) }
```


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

```
.border{ border-color:rgb(32, 226, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 226, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 226, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 226, 193);  
box-shadow:4px 4px 4px 4px rgb(32, 226,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4177, 58.5500, 59.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 226, 193) }
```

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

```
.background{ background-color: rgb(32, 226,  
193) }
```

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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