

Converting Colors

XYZ(36.9958, 57.9805, 57.0405)

Have a look what the booklet for
XYZ(36.9958, 57.9805, 57.0405)
contains.

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Color

**XYZ(36.9572, 57.9735,
56.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	2AE1BC
RGB	42, 225, 188
RGB Percent	16%, 88%, 74%
CMY	0.8352, 0.1176, 0.2627
CMYK	0.81, 0.00, 0.16, 0.12
HSL	168°, 75%, 52%
HSV	168°, 81%, 88%
XYZ	36.9572, 57.9735, 56.8191
YIQ	166.0650, -97.1910, -50.3030

Conversions

Conversions Part 2

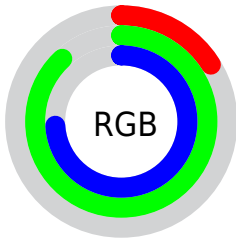
Format	Color
R_{YB}	42, 144, 225
Decimal	2810300
CIE _{Lab}	80.72, -51.97, 5.75
CIE _{LCh}	81, 52.289, 173.689
Yxy	57.9735, 0.2435, 0.3820
Android (android.graphics.Color)	4281000380 (0xFF2AE1BC)
YUV	166.0650, 10.8140, -108.8050
Hunter-Lab	76.1403, -46.6048, 9.0536

Details

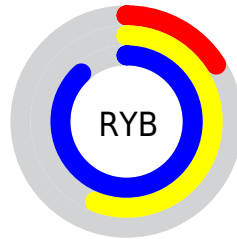
The XYZ color **36.9572, 57.9735, 56.8191** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed spring green. A complement of this color would be **33.2927, 18.2297, 9.1639**, and the grayscale version is **36.2625, 38.1510, 41.5464**.

A 20% lighter version of the original color is **59.8349, 82.0447, 98.2705**, and **18.5611, 30.1252, 27.7581** is the 20% darker color. If you saturate the color by 10%, you get **35.7992, 57.4337, 54.2459**, and if you desaturate by 10%, it is **38.6497, 58.7899, 59.5007**.

Distribution



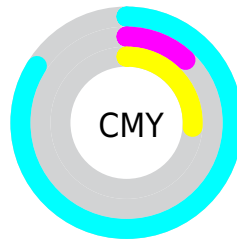
- Red (16%)
- Green (88%)
- Blue (74%)



- Red (16%)
- Yellow (56%)
- Blue (88%)



- Cyan (81%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)





- Cyan (84%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9572, 57.9735, 56.8191 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 36.9572, 57.9735, 56.8191 by changing the saturation by 10% instead.

 36.9572, 57.9735,
56.8191


 36.9572, 57.9735,
56.8191


324.4839,
417.0872, 430.2458


 25.3479, 41.7873,
40.4516


 69.8212, 101.8843,
101.6989


 16.4665, 28.9348,
27.5744


 91.8066, 130.3777,
131.0483

 9.9478, 19.0315,
17.7688


 117.9814,
163.7423, 165.5621

 5.4264, 11.6931,
10.6164

 148.7110,
202.3625, 205.6588

 2.5368, 6.5350,
5.6986

 184.3607,
246.6227, 251.7570

 0.9139, 3.1731,
2.5969

225.2958,

 0.0000, 1.2227,

296.9073, 304.2752

0.8909

271.8818,
353.6006, 363.6320

■ 0.0000, 0.0802,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9572, 57.9735,
56.8191

■ 36.9572, 57.9735,
56.8191

■ 35.7992, 57.4337,
54.2459


■ 38.6497, 58.7899,
59.5007


■ 35.1142, 57.1275,
52.0929


■ 40.9476, 59.9151,
62.2907


■ 43.9156, 61.3840,
65.1943


■ 47.6091, 63.2250,
68.2147

 52.0774, 65.4636,
71.3550

 57.3654, 68.1229,
74.6178

 63.5147, 71.2244,
78.0059

 70.5640, 74.7879,
81.5217

 78.5495, 78.8322,
85.1676

Harmonies

Analogous

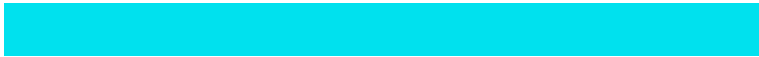
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0269, 57.9735, 34.0870



36.9572, 57.9735, 56.8191



38.2135, 57.9735, 90.1111

Triad

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



36.9572, 57.9735, 56.8191



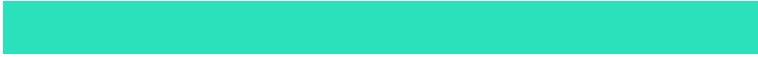
63.8588, 57.9735, 134.6030



68.3135, 57.9735, 26.3474

Complementary

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



36.9572, 57.9735, 56.8191



33.2927, 18.2297, 9.1639

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.



76.3517, 57.9735, 42.1461



36.9572, 57.9735, 56.8191



73.5542, 57.9735, 105.2162

Square

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



36.9572, 57.9735, 56.8191



52.8545, 57.9735, 142.4433



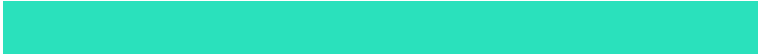
78.3847, 57.9735, 69.8773



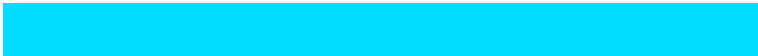
57.4125, 57.9735, 20.5883

Rectangle

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



36.9572, 57.9735, 56.8191



41.4289, 57.9735, 113.6620



78.3847, 57.9735, 69.8773



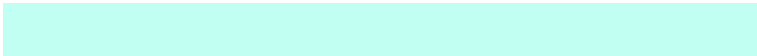
71.4944, 57.9735, 30.3506

Sweetspot

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



36.9588, 57.9757, 56.8205



74.0779, 89.4113, 97.8512



30.7946, 55.7982, 11.3388



15.3134, 18.8649, 20.6110



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.



36.9588, 57.9757, 56.8205



46.7793, 75.9351, 69.6134



29.5200, 35.8760, 76.6056



13.9916, 15.5224, 16.9909



20.2766, 32.9355, 30.2435



1.4359, 2.2951, 2.2568

Inverse Universe

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



33.2927, 18.2297, 9.1639



42.0002, 21.6526, 5.6600



35.4609, 24.1560, 4.9853



13.8200, 13.7456, 14.8223



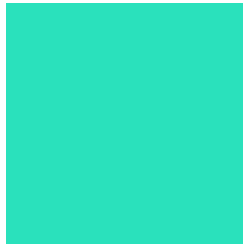
18.2052, 9.3491, 2.4805



1.2939, 0.6608, 0.3407

Previews

White Background



This preview shows how the XYZ color 36.9572, 57.9735, 56.8191 looks on a white background.

Color Contrast Check

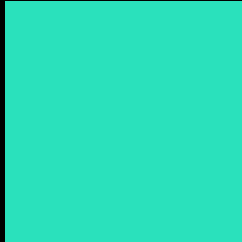
Large Text (above 18pt) WCAG AA × Fail

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 36.9572, 57.9735, 56.8191 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

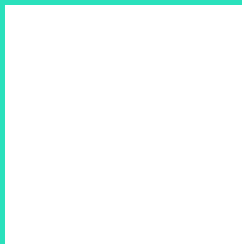
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9572, 57.9735, 56.8191

Background



This preview shows how black text looks on a background with the XYZ color 36.9572, 57.9735, 56.8191.

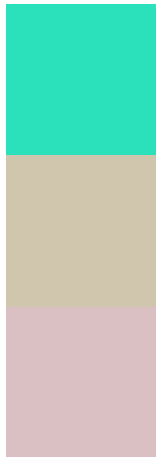


This preview shows how white text looks on a background with the XYZ color 36.9572, 57.9735,

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

36.9572, 57.9735, 56.8191

Protanopia

53.8465, 56.8541, 48.1803

Deuteranopia

57.9134, 56.6995, 59.5215



Tritanopia

43.1134, 57.6948, 88.2208

Trichromacy



Original Color

36.9572, 57.9735, 56.8191



Protanomaly

42.9053, 54.6623, 50.9374



Deuteranomaly

44.6249, 53.9601, 57.9325



Tritanomaly

40.6925, 57.8841, 76.0459

Monochromacy



Original Color

36.9572, 57.9735, 56.8191



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.2955, 42.6616, 46.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9572, 57.9735, 56.8191 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(42, 225, 188)` looks like.

```
.text, #text, p{  
    color:rgb(42, 225, 188)  
}
```

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(42, 225, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 225, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.9572, 57.9735, 56.8191 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(42, 225, 188) }
```


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

```
.border{ border-color:rgb(42, 225, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 225, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 225, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 225, 188);  
box-shadow:4px 4px 4px 4px rgb(42, 225,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9572, 57.9735, 56.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 225, 188) }
```

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

```
.background{ background-color: rgb(42, 225,  
188) }
```

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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