

# Converting Colors

XYZ(36.5600, 58.4942, 57.1621)

Have a look what the booklet for  
XYZ(36.5600, 58.4942, 57.1621)  
contains.

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# Color

**XYZ(36.5712, 58.5819,  
56.9569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02E3BC
RGB	2, 227, 188
RGB Percent	1%, 89%, 74%
CMY	0.9920, 0.1098, 0.2627
CMYK	0.99, 0.00, 0.17, 0.11
HSL	170°, 98%, 45%
HSV	170°, 99%, 89%
XYZ	36.5712, 58.5819, 56.9569
YIQ	155.2790, -121.5810, -59.8290

# Conversions

## Conversions Part 2

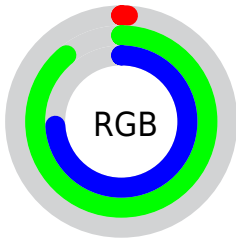
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 125, 227
Decimal	189372
CIE <sub>Lab</sub>	81.06, -54.70, 6.20
CIE <sub>LCh</sub>	81, 55.051, 173.535
Yxy	58.5819, 0.2404, 0.3851
Android (android.graphics.Color)	4278379452 (0xFF02E3BC)
YUV	155.2790, 16.1315, -134.4257
Hunter-Lab	76.5388, -48.6534, 9.4561

# Details

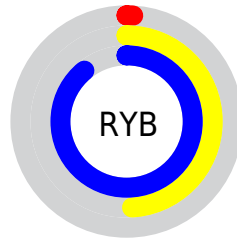
The XYZ color **36.5712, 58.5819, 56.9569** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.1027, 16.5360, 3.6011**, and the grayscale version is **31.2542, 32.8818, 35.8083**.

A 20% lighter version of the original color is **58.5195, 81.3667, 98.2090**, and **18.7479, 30.4987, 27.8204** is the 20% darker color. If you saturate the color by 10%, you get **36.5093, 58.5558, 56.7568**, and if you desaturate by 10%, it is **37.3720, 58.9464, 59.2409**.

# Distribution



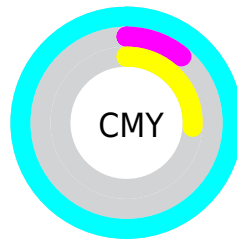
- Red (1%)
- Green (89%)
- Blue (74%)



- Red (1%)
- Yellow (49%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)



- Cyan (99%)
- Magenta (11%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5712, 58.5819, 56.9569 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 36.5712, 58.5819, 56.9569 by changing the saturation by 10% instead.





 36.5712, 58.5819,  
56.9569


 36.5712, 58.5819,  
56.9569


322.8382,  
419.3507, 430.7770


 25.0478, 42.2766,  
40.5615


 69.2309, 102.7698,  
101.9020


 16.2416, 29.3180,  
27.6595


 91.0980, 131.4211,  
131.2888


 9.7872, 19.3215,  
17.8323


 117.1436,  
164.9567, 165.8431

 5.3193, 11.9028,  
10.6615

 147.7332,  
203.7608, 205.9836

 2.4725, 6.6775,  
5.7284

 183.2321,  
248.2179, 252.1286

 0.8814, 3.2613,  
2.6145

224.0056,

 0.0000, 1.2696,

298.7123, 304.6969

0.8999

270.4192,  
355.6284, 364.1068

■ 0.0000, 0.1175,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.5712, 58.5819,  
56.9569

■ 36.5712, 58.5819,  
56.9569

■ 36.5093, 58.5558,  
56.7568

■ 37.3720, 58.9464,  
59.2409

■ 38.6119, 59.5346,  
61.6049

■ 40.4087, 60.4085,  
64.0564

■ 42.8363, 61.6062,  
66.5992

■ 45.9570, 63.1598,  
69.2367

■ 49.8260, 65.0978,  
71.9719

■ 54.4923, 67.4455,  
74.8075

■ 60.0012, 70.2261,  
77.7461

■ 66.3943, 73.4611,  
80.7902

# Harmonies

## Analogous

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



39.8082, 58.5819, 33.2108



36.5712, 58.5819, 56.9569



37.8620, 58.5819, 92.3680

# Triad

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



36.5712, 58.5819, 56.9569



64.9263, 58.5819, 140.6547



69.7921, 58.5819, 25.3730

# Complementary

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



36.5712, 58.5819, 56.9569



32.1027, 16.5360, 3.6011

# 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.



78.3609, 58.5819, 41.8070



36.5712, 58.5819, 56.9569



75.2936, 58.5819, 108.9901

# Square

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



36.5712, 58.5819, 56.9569



53.2419, 58.5819, 149.0075



80.5006, 58.5819, 71.1397



58.1922, 58.5819, 19.4545

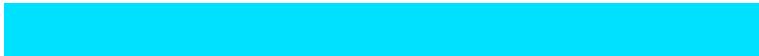


# Rectangle

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



36.5712, 58.5819, 56.9569



41.2175, 58.5819, 117.7114



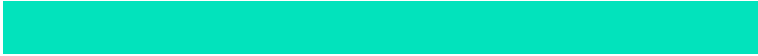
80.5006, 58.5819, 71.1397



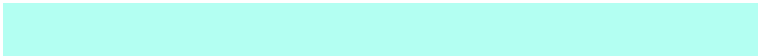
73.1833, 58.5819, 29.5092

# Sweetspot

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



36.5728, 58.5842, 56.9583



70.2226, 87.4393, 96.9742



28.4893, 55.4642, 9.2626



14.4616, 18.4292, 20.4190



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.



36.5728, 58.5842, 56.9583



47.4918, 76.2127, 73.6986



25.7400, 29.2572, 76.9662



14.6946, 16.2912, 17.9223



21.3301, 34.1642, 33.3024



1.6046, 2.5360, 2.6103



# Inverse Universe

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



32.1027, 16.5360, 3.6011



41.6986, 21.4434, 4.3447



34.0916, 21.1374, 2.3416



14.4785, 14.4086, 15.4540



18.7217, 9.6229, 2.1632

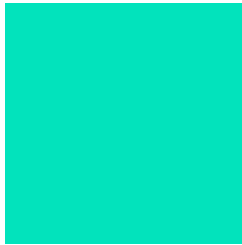


1.4137, 0.7232, 0.3190



# Previews

## White Background



This preview shows how the XYZ color 36.5712, 58.5819, 56.9569 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 36.5712, 58.5819, 56.9569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

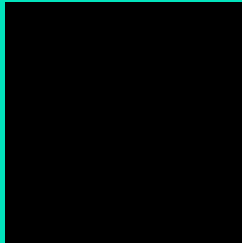
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

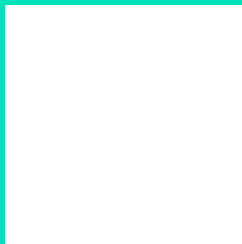
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.5712, 58.5819, 56.9569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5712, 58.5819, 56.9569.



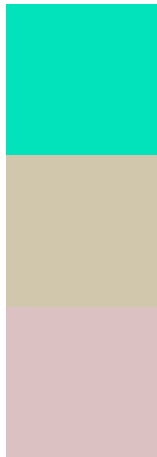
This preview shows how white text looks on a background with the XYZ color 36.5712, 58.5819,



# 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

36.5712, 58.5819, 56.9569

### Protanopia

54.2607, 57.4193, 47.7583

### Deuteranopia

58.4355, 57.2957, 59.6091



## Tritanopia

43.2726, 58.5177, 89.9033

# Trichromacy



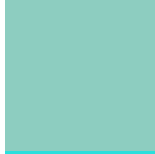
## Original Color

36.5712, 58.5819, 56.9569



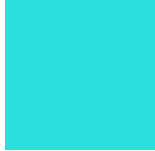
## Protanomaly

40.6679, 53.8836, 50.3766



## Deuteranomaly

42.3303, 53.1311, 57.8935



## Tritanomaly

40.3022, 58.4563, 76.8692

# Monochromacy



## Original Color

36.5712, 58.5819, 56.9569



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

28.6445, 38.4904, 42.4789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5712, 58.5819, 56.9569 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(2, 227, 188)` looks like.

```
.text, #text, p{  
    color:rgb(2, 227, 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(2, 227, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 227, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5712, 58.5819, 56.9569 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(2, 227, 188) }
```



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

```
.border{ border-color:rgb(2, 227, 188) }
```

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

Here you see how a box with a 4 pixel rgb(2, 227, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 227, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 227, 188);  
box-shadow:4px 4px 4px 4px rgb(2, 227,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5712, 58.5819, 56.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 227, 188) }
```

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

```
.background{ background-color: rgb(2, 227,  
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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