

Converting Colors

XYZ(37.2759, 56.0967, 58.3998)

Have a look what the booklet for
XYZ(37.2759, 56.0967, 58.3998)
contains.

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Color

**XYZ(37.2439, 56.1062,
58.1568)**

Conversions

Conversions Part 1

Format	Color
Hex	42DCBF
RGB	66, 220, 191
RGB Percent	26%, 86%, 75%
CMY	0.7411, 0.1372, 0.2510
CMYK	0.70, 0.00, 0.13, 0.14
HSL	169°, 69%, 56%
HSV	169°, 70%, 86%
XYZ	37.2439, 56.1062, 58.1568
YIQ	170.6480, -82.4750, -41.6670

Conversions

Conversions Part 2

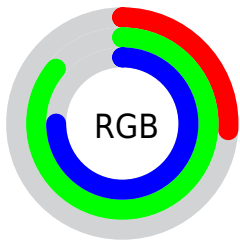
Format	Color
RYB	66, 151, 220
Decimal	4381887
CIELab	79.67, -46.51, 2.68
CIELCh	80, 46.583, 176.697
Yxy	56.1062, 0.2458, 0.3703
Android (android.graphics.Color)	4282571967 (0xFF42DCBF)
YUV	170.6480, 10.0335, -91.7763
Hunter-Lab	74.9041, -42.3281, 6.3991

Details

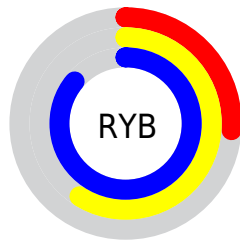
The XYZ color **37.2439, 56.1062, 58.1568** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **33.5308, 19.9398, 12.9100**, and the grayscale version is **38.5148, 40.5206, 44.1269**.

A 20% lighter version of the original color is **62.2214, 83.2219, 100.7797**, and **17.8629, 28.3859, 28.5823** is the 20% darker color. If you saturate the color by 10%, you get **35.5876, 55.3056, 55.7336**, and if you desaturate by 10%, it is **39.4860, 57.2100, 60.6772**.

Distribution



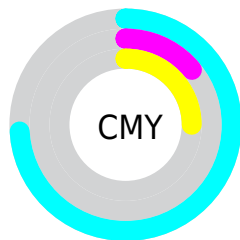
- Red (26%)
- Green (86%)
- Blue (75%)



- Red (26%)
- Yellow (59%)
- Blue (86%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)





- Cyan (74%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2439, 56.1062, 58.1568 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 37.2439, 56.1062, 58.1568 by changing the saturation by 10% instead.


 37.2439, 56.1062,
58.1568


 37.2439, 56.1062,
58.1568

325.7025,
410.0916, 435.3845


 25.5709, 40.2881,
41.5192


 70.2591, 99.1598,
103.6682


 16.6339, 27.7632,
28.4022


 92.3321, 127.1641,
133.3791

 10.0675, 18.1473,
18.3874


 118.6025,
159.9993, 168.2847

 5.5064, 11.0558,
11.0562

 149.4356,
198.0497, 208.8038

 2.5851, 6.1044,
5.9900

185.1968,
241.6997, 255.3548

 0.9384, 2.9086,
2.7703

226.2514,

 0.0000, 1.0842,

291.3338, 308.3562

0.9786

272.9649,
347.3363, 368.2266

■ 0.0000, 0.0000,
0.0000

■ 37.2439, 56.1062,
58.1568

■ 37.2439, 56.1062,
58.1568

■ 35.5876, 55.3056,
55.7336

■ 39.4860, 57.2100,
60.6772

■ 34.4427, 54.7659,
53.4000

■ 42.3678, 58.6406,
63.2942


■ 33.6876, 54.4256,
51.1508


■ 45.9421, 60.4268,
66.0120


■ 33.6874, 54.4256,
51.1502


■ 50.2550, 62.5922,
68.8334

■ 55.3487, 65.1586,
71.7607

 61.2619, 68.1459,
74.7964

 68.0310, 71.5729,
77.9427

 75.6900, 75.4570,
81.2016

 80.8782, 78.0658,
84.4163

Harmonies

Analogous

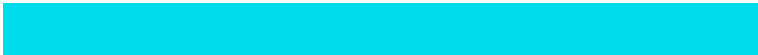
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6045, 56.1062, 36.8517



37.2439, 56.1062, 58.1568



38.7569, 56.1062, 87.4176

Triad

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



37.2439, 56.1062, 58.1568



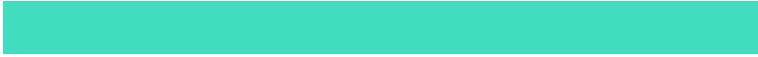
61.8654, 56.1062, 119.9743



63.8777, 56.1062, 27.2402

Complementary

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



37.2439, 56.1062, 58.1568



33.5308, 19.9398, 12.9100

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.



71.1563, 56.1062, 40.6630



37.2439, 56.1062, 58.1568



69.9019, 56.1062, 94.1408

Square

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



37.2439, 56.1062, 58.1568



52.2929, 56.1062, 128.6956



73.4798, 56.1062, 64.1204



54.3751, 56.1062, 22.6189

Rectangle

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



37.2439, 56.1062, 58.1568



41.8684, 56.1062, 107.0255



73.4798, 56.1062, 64.1204



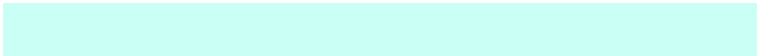
66.7066, 56.1062, 30.6359

Sweetspot

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



37.2455, 56.1084, 58.1581



76.4370, 90.5874, 99.7747



31.4868, 54.1124, 13.9405



15.9204, 19.1674, 21.1100



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.



37.2455, 56.1084, 58.1581



48.8886, 76.8762, 76.3232



30.2643, 36.5226, 73.1670



13.3342, 14.7853, 16.2229



19.8091, 31.9563, 30.2237



1.3111, 2.0814, 2.1040

Inverse Universe

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



33.5308, 19.9398, 12.9100



43.5165, 23.4283, 10.0406



36.3167, 27.2434, 8.4997



13.1557, 13.0914, 14.0813



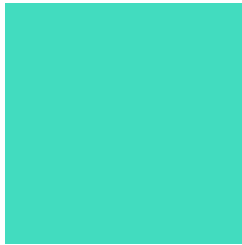
17.5919, 9.0378, 2.2310



1.1696, 0.5975, 0.3019

Previews

White Background



This preview shows how the XYZ color 37.2439, 56.1062, 58.1568 looks on a white background.

Color Contrast Check

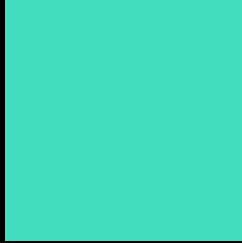
Large Text (above 18pt) WCAG AA × Fail

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 37.2439, 56.1062, 58.1568 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

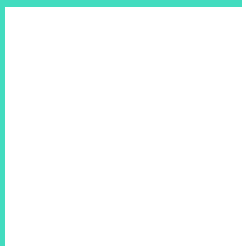
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2439, 56.1062, 58.1568

Background



This preview shows how black text looks on a background with the XYZ color 37.2439, 56.1062, 58.1568.



This preview shows how white text looks on a background with the XYZ color 37.2439, 56.1062,

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

37.2439, 56.1062, 58.1568

Protanopia

52.4528, 55.0819, 49.9868

Deuteranopia

56.3381, 55.2003, 61.1115



Tritanopia

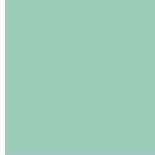
42.4498, 55.8978, 84.8959

Trichromacy



Original Color

37.2439, 56.1062, 58.1568



Protanomaly

43.4665, 53.4747, 52.8305



Deuteranomaly

45.2342, 53.1870, 59.5118



Tritanomaly

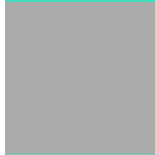
40.3047, 55.7838, 74.2887

Monochromacy



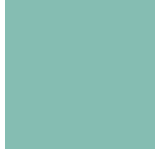
Original Color

37.2439, 56.1062, 58.1568



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9063, 44.5961, 48.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2439, 56.1062, 58.1568 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(66, 220, 191)` looks like.

```
.text, #text, p{  
    color:rgb(66, 220, 191)  
}
```

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(66, 220, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 220, 191) }
```

Border

The CSS property to change the border of an element to XYZ 37.2439, 56.1062, 58.1568 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(66, 220, 191) }
```


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

```
.border{ border-color:rgb(66, 220, 191) }
```

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

Here you see how a box with a 4 pixel rgb(66, 220, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 220, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 220, 191);  
box-shadow:4px 4px 4px 4px rgb(66, 220,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2439, 56.1062, 58.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 220, 191) }
```

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

```
.background{ background-color: rgb(66, 220,  
191) }
```

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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