

Converting Colors

XYZ(36.8391, 57.2233, 51.7514)

Have a look what the booklet for
XYZ(36.8391, 57.2233, 51.7514)
contains.

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Color

**XYZ(36.8391, 57.2233,
51.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	43DFB3
RGB	67, 223, 179
RGB Percent	26%, 87%, 70%
CMY	0.7372, 0.1255, 0.2980
CMYK	0.70, 0.00, 0.20, 0.13
HSL	163°, 71%, 57%
HSV	163°, 70%, 87%
XYZ	36.8391, 57.2233, 51.7514
YIQ	171.3400, -78.8520, -46.7560

Conversions

Conversions Part 2

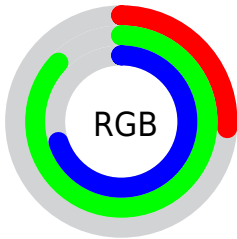
Format	Color
RYB	67, 158, 223
Decimal	4448179
CIELab	80.31, -50.56, 9.96
CIElCh	80, 51.527, 168.853
Yxy	57.2233, 0.2526, 0.3924
Android (android.graphics.Color)	4282638259 (0xFF43DFB3)
YUV	171.3400, 3.7764, -91.5062
Hunter-Lab	75.6461, -45.4524, 12.3905

Details

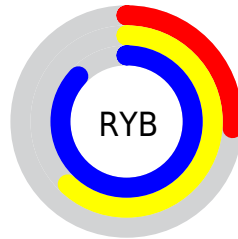
The XYZ color **36.8391, 57.2233, 51.7514** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **35.3097, 20.8515, 17.2049**, and the grayscale version is **38.8913, 40.9167, 44.5583**.

A 20% lighter version of the original color is **60.5869, 82.5865, 91.3448**, and **17.5846, 29.1438, 24.4372** is the 20% darker color. If you saturate the color by 10%, you get **34.9729, 56.3345, 48.4194**, and if you desaturate by 10%, it is **39.3258, 58.4315, 55.2665**.

Distribution



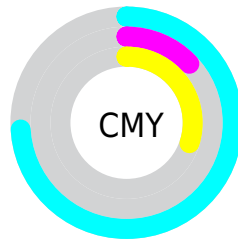
- Red (26%)
- Green (87%)
- Blue (70%)



- Red (26%)
- Yellow (62%)
- Blue (87%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)





- Cyan (74%)
- Magenta (13%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8391, 57.2233, 51.7514 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 36.8391, 57.2233, 51.7514 by changing the saturation by 10% instead.

 36.8391, 57.2233,
51.7514


 36.8391, 57.2233,
51.7514


323.9810,
414.2855, 410.4057


 25.2560, 41.1845,
36.4261


 69.6407, 100.7909,
94.1873


 16.3977, 28.4633,
24.4712


 91.5899, 129.0886,
122.1351

 9.8986, 18.6752,
15.4681


 117.7253,
162.2414, 155.1273

 5.3935, 11.4358,
8.9983

 148.4121,
200.6337, 193.5827

 2.5171, 6.3608,
4.6433

184.0157,
244.6498, 237.9196

 0.9039, 3.0657,
1.9845

224.9015,

 0.0000, 1.1661,

294.6742, 288.5568

0.5457

271.4348,
351.0913, 345.9126

■ 0.0000, 0.0338,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8391, 57.2233,
51.7514

■ 36.8391, 57.2233,
51.7514

■ 34.9729, 56.3345,
48.4194

■ 39.3258, 58.4315,
55.2665

■ 33.6502, 55.7212,
45.2611


■ 42.4890, 59.9836,
58.9654


■ 32.7466, 55.3206,
42.2700


■ 46.3837, 61.9093,
62.8540


■ 32.7427, 55.3189,
42.2562


■ 51.0578, 64.2334,
66.9363

 56.5549, 66.9782,
71.2163

 62.9155, 70.1646,
75.6977

 70.1774, 73.8121,
80.3840

 78.3758, 77.9387,
85.2786

 82.7129, 80.0710,
90.1587

Harmonies

Analogous

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



40.5186, 57.2233, 31.4019



36.8391, 57.2233, 51.7514



37.3851, 57.2233, 82.9926

Triad

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



36.8391, 57.2233, 51.7514



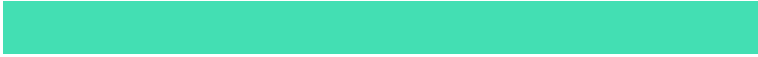
61.1998, 57.2233, 134.8997



68.8342, 57.2233, 28.0389

Complementary

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



36.8391, 57.2233, 51.7514



35.3097, 20.8515, 17.2049

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.



75.8962, 57.2233, 45.3794



36.8391, 57.2233, 51.7514



71.1107, 57.2233, 108.7982

Square

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



36.8391, 57.2233, 51.7514



50.5665, 57.2233, 138.3044



76.7793, 57.2233, 74.2071



58.3995, 57.2233, 20.9642

Rectangle

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



36.8391, 57.2233, 51.7514



40.0916, 57.2233, 106.2382



76.7793, 57.2233, 74.2071



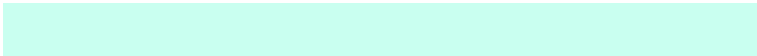
71.7359, 57.2233, 32.5424

Sweetspot

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



36.8407, 57.2255, 51.7527



75.6812, 90.2850, 95.7945



33.9834, 56.5755, 14.4402



15.7390, 19.0949, 20.1547



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.



36.8407, 57.2255, 51.7527



46.4695, 75.9085, 63.5844



33.8765, 43.0045, 76.3298



13.9431, 15.5030, 16.7354



19.3021, 32.5457, 25.1118



1.3756, 2.2710, 1.9392

Inverse Universe

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



35.3097, 20.8515, 17.2049



44.3857, 23.7760, 14.6180



36.0807, 25.3635, 8.3052



13.8654, 13.7638, 15.0612



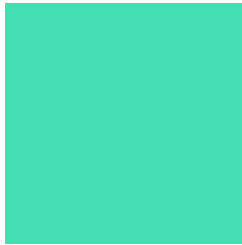
18.4610, 9.4514, 3.8272



1.3173, 0.6702, 0.4636

Previews

White Background



This preview shows how the XYZ color 36.8391, 57.2233, 51.7514 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 36.8391, 57.2233, 51.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

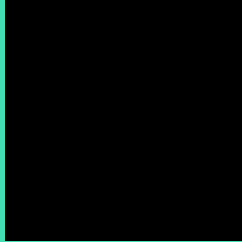
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

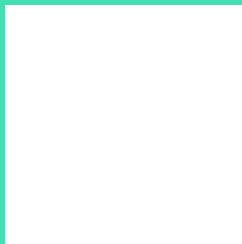
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8391, 57.2233, 51.7514

Background



This preview shows how black text looks on a background with the XYZ color 36.8391, 57.2233, 51.7514.

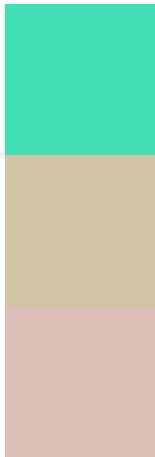


This preview shows how white text looks on a background with the XYZ color 36.8391, 57.2233,

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

36.8391, 57.2233, 51.7514

Protanopia

52.8616, 56.0956, 44.1178

Deuteranopia

57.3125, 56.1789, 54.2773



Tritanopia

43.6775, 57.2702, 85.8430

Trichromacy



Original Color

36.8391, 57.2233, 51.7514



Protanomaly

43.3266, 54.2510, 46.7160



Deuteranomaly

45.4202, 54.1301, 52.8540



Tritanomaly

40.9090, 57.3061, 71.8558

Monochromacy



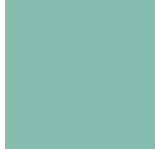
Original Color

36.8391, 57.2233, 51.7514



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.7263, 44.8694, 46.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8391, 57.2233, 51.7514 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(67, 223, 179)` looks like.

```
.text, #text, p{  
    color:rgb(67, 223, 179)  
}
```

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(67, 223, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 223, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.8391, 57.2233, 51.7514 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(67, 223, 179) }
```


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

```
.border{ border-color:rgb(67, 223, 179) }
```

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

Here you see how a box with a 4 pixel rgb(67, 223, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 223, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 223, 179);  
box-shadow:4px 4px 4px 4px rgb(67, 223,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8391, 57.2233, 51.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 223, 179) }
```

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

```
.background{ background-color: rgb(67, 223,  
179) }
```

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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