

Converting Colors

XYZ(31.8324, 50.3716, 35.7878)

Have a look what the booklet for
XYZ(31.8324, 50.3716, 35.7878)
contains.

XYZ(31.7852, 50.3574, 35.6485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7852, 50.3574,
35.6485)**

Conversions

Conversions Part 1

Format	Color
Hex	4FD393
RGB	79, 211, 147
RGB Percent	31%, 83%, 58%
CMY	0.6902, 0.1725, 0.4235
CMYK	0.63, 0.00, 0.30, 0.17
HSL	151°, 60%, 57%
HSV	151°, 63%, 83%
XYZ	31.7852, 50.3574, 35.6485
YIQ	164.2360, -58.1280, -47.8880

Conversions

Conversions Part 2

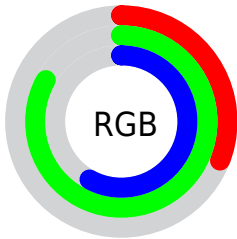
Format	Color
RYB	79, 166, 211
Decimal	5231507
CIELab	76.29, -50.74, 21.27
CIElCh	76, 55.017, 157.253
Yxy	50.3574, 0.2698, 0.4275
Android (android.graphics.Color)	4283421587 (0xFF4FD393)
YUV	164.2360, -8.4973, -74.7520
Hunter-Lab	70.9629, -44.2328, 19.8895

Details

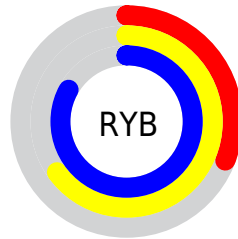
The XYZ color **31.7852, 50.3574, 35.6485** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **34.6195, 21.4252, 28.2993**, and the grayscale version is **35.4592, 37.3059, 40.6261**.

A 20% lighter version of the original color is **57.1178, 81.3125, 67.9428**, and **13.8327, 24.2872, 15.0252** is the 20% darker color. If you saturate the color by 10%, you get **29.5334, 49.2866, 31.5377**, and if you desaturate by 10%, it is **34.6679, 51.7479, 40.1638**.

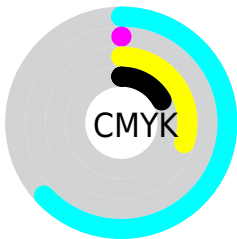
Distribution



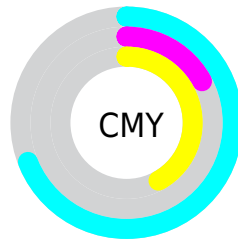
- Red (31%)
- Green (83%)
- Blue (58%)



- Red (31%)
- Yellow (65%)
- Blue (83%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (17%)





- Cyan (69%)
- Magenta (17%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7852, 50.3574, 35.6485 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 31.7852, 50.3574, 35.6485 by changing the saturation by 10% instead.


 31.7852, 50.3574,
35.6485


 31.7852, 50.3574,
35.6485


301.9023,
388.0620, 342.4124

 21.3522, 35.6975,
23.8753


 61.8417, 90.7042,
69.6521


 13.4956, 24.2006,
15.0298


 82.1959, 117.1598,
92.7196

 7.8501, 15.4825,
8.6935


 106.5879,
148.3162, 120.3890

 4.0502, 9.1587,
4.4477

 135.3831,
184.5576, 153.0787

 1.7305, 4.8449,
1.8740

168.9467,
226.2685, 191.2074

 0.4753, 2.1565,
0.4761

207.6442,

 0.0000, 0.6961,

273.8332, 235.1935

0.0000

251.8410,
327.6363, 285.4557

■ 0.0000, 0.0000,
0.0000

■ 31.7852, 50.3574,
35.6485

■ 31.7852, 50.3574,
35.6485

■ 29.5334, 49.2866,
31.5377

■ 34.6679, 51.7479,
40.1638

■ 27.8520, 48.5004,
27.8157

■ 38.2269, 53.4773,
45.0917

■ 26.6743, 47.9661,
24.4702

■ 42.5080, 55.5702,
50.4444

■ 26.0392, 47.6880,
22.2149

■ 47.5514, 58.0473,
56.2325

■ 53.3946, 60.9276,
62.4662

■ 60.0721, 64.2289,
69.1553

■ 67.6168, 67.9678,
76.3091

■ 76.0595, 72.1601,
83.9368

■ 80.1268, 74.0870,
91.7992

Harmonies

Analogous

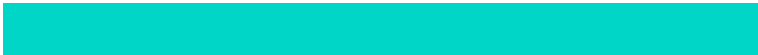
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8199, 50.3574, 20.8761



31.7852, 50.3574, 35.6485



30.7421, 50.3574, 62.3298

Triad

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



31.7852, 50.3574, 35.6485



50.4147, 50.3574, 132.8155



65.4745, 50.3574, 27.1050

Complementary

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



31.7852, 50.3574, 35.6485



34.6195, 21.4252, 28.2993

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.



70.3900, 50.3574, 47.9585



31.7852, 50.3574, 35.6485



60.9194, 50.3574, 113.7038

Square

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



31.7852, 50.3574, 35.6485



40.5878, 50.3574, 125.7858



68.6132, 50.3574, 79.8929



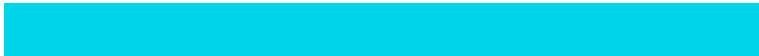
55.9598, 50.3574, 17.3264

Rectangle

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



31.7852, 50.3574, 35.6485



32.2902, 50.3574, 85.2170



68.6132, 50.3574, 79.8929



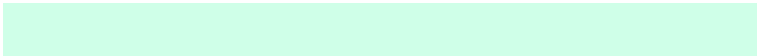
67.7775, 50.3574, 32.6920

Sweetspot

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



31.7865, 50.3594, 35.6497



75.8623, 90.5190, 89.4520



36.3842, 53.1750, 15.7439



15.7065, 19.1132, 18.5674



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.



31.7865, 50.3594, 35.6497



44.4038, 75.2199, 46.4873



38.2782, 52.9561, 69.8345



11.9069, 13.3065, 13.8661



15.7661, 28.7994, 13.6802



0.9216, 1.6263, 0.9757

Inverse Universe

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



34.6195, 21.4252, 28.2993



49.1007, 27.3152, 34.3501



31.0726, 20.0064, 9.6217



12.0441, 11.9024, 13.5082



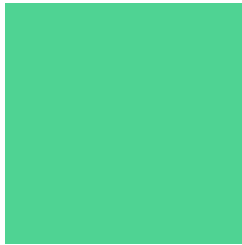
17.7203, 8.9609, 8.6991



1.0308, 0.5170, 0.6972

Previews

White Background



This preview shows how the XYZ color 31.7852, 50.3574, 35.6485 looks on a white background.

Color Contrast Check

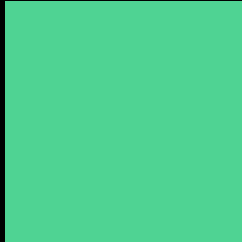
Large Text (above 18pt) WCAG AA × Fail

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 31.7852, 50.3574, 35.6485 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

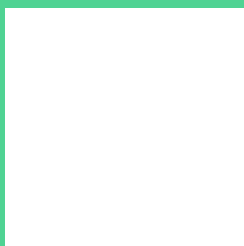
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7852, 50.3574, 35.6485

Background



This preview shows how black text looks on a background with the XYZ color 31.7852, 50.3574, 35.6485.



This preview shows how white text looks on a background with the XYZ color 31.7852, 50.3574,

35.6485.

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

31.7852, 50.3574, 35.6485

Protanopia

46.0902, 49.3129, 30.3817

Deuteranopia

50.2717, 49.1722, 37.4134



Tritanopia

39.3689, 50.1866, 73.9417

Trichromacy



Original Color

31.7852, 50.3574, 35.6485



Protanomaly

38.1534, 48.0918, 32.0827



Deuteranomaly

39.9426, 47.6030, 36.3612



Tritanomaly

35.9618, 49.8481, 57.5954

Monochromacy



Original Color

31.7852, 50.3574, 35.6485



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.3683, 40.5029, 38.4596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7852, 50.3574, 35.6485 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(79, 211, 147)` looks like.

```
.text, #text, p{  
    color:rgb(79, 211, 147)  
}
```

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(79, 211, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 211, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.7852, 50.3574, 35.6485 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(79, 211, 147) }
```


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

```
.border{ border-color:rgb(79, 211, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 211, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 211, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 211, 147);  
box-shadow:4px 4px 4px 4px rgb(79, 211,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7852, 50.3574, 35.6485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 211, 147) }
```

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

```
.background{ background-color: rgb(79, 211,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor