

Converting Colors

XYZ(31.9733, 47.8548, 54.5655)

Have a look what the booklet for
XYZ(31.9733, 47.8548, 54.5655)
contains.

XYZ(31.9733, 47.8548, 54.5655)	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(31.9733, 47.8548,
54.5655)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCDBB
RGB	47, 205, 187
RGB Percent	18%, 80%, 73%
CMY	0.8156, 0.1961, 0.2667
CMYK	0.77, 0.00, 0.09, 0.20
HSL	173°, 63%, 49%
HSV	173°, 77%, 80%
XYZ	31.9733, 47.8548, 54.5655
YIQ	155.7060, -88.3900, -39.0940

Conversions

Conversions Part 2

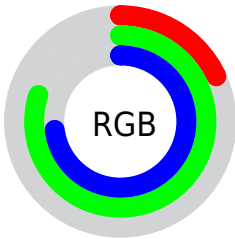
Format	Color
R_{YB}	47, 131, 205
Decimal	3132859
CIE Lab	74.73, -43.35, -2.42
CIE LCh	75, 43.421, 183.200
Yxy	47.8548, 0.2379, 0.3561
Android (android.graphics.Color)	4281322939 (0xFF2FCDBB)
YUV	155.7060, 15.4279, -95.3352
Hunter-Lab	69.1772, -38.5583, 1.6573

Details

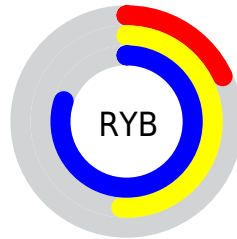
The XYZ color **31.9733, 47.8548, 54.5655** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **27.1492, 15.3953, 6.5437**, and the grayscale version is **31.4327, 33.0697, 36.0129**.

A 20% lighter version of the original color is **59.5454, 81.9130, 97.4664**, and **15.2094, 23.5339, 26.2951** is the 20% darker color. If you saturate the color by 10%, you get **30.9929, 47.3792, 53.2258**, and if you desaturate by 10%, it is **33.4040, 48.5644, 55.9496**.

Distribution



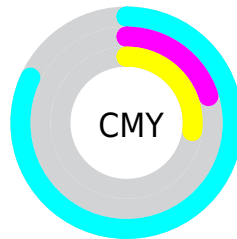
- Red (18%)
- Green (80%)
- Blue (73%)



- Red (18%)
- Yellow (51%)
- Blue (80%)



- Cyan (77%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)




- Cyan (82%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9733, 47.8548, 54.5655 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 31.9733, 47.8548, 54.5655 by changing the saturation by 10% instead.


 31.9733, 47.8548,
54.5655


 31.9733, 47.8548,
54.5655


302.7451,
378.2163, 421.4982

 21.4966, 33.7119,
38.6577


 62.1347, 86.9882,
98.3688


 13.6020, 22.6724,
26.1878


 82.5501, 112.7475,
127.1014


 7.9242, 14.3518,
16.7371


 107.0090,
143.1477, 160.9460

 4.0979, 8.3657,
9.8873

 135.8769,
178.5732, 200.3212

 1.7577, 4.3299,
5.2197

 169.5191,
219.4084, 245.6454

 0.4920, 1.8597,
2.3157

208.3010,

 0.0000, 0.5240,

266.0377, 297.3373

0.7400

252.5878,
318.8456, 355.8154

■ 0.0000, 0.0000,
0.0000

■ 31.9733, 47.8548,
54.5655

■ 31.9733, 47.8548,
54.5655

■ 30.9929, 47.3792,
53.2258

■ 33.4040, 48.5644,
55.9496

■ 30.3849, 47.0939,
51.9236

■ 35.3360, 49.5307,
57.3775

■ 30.2389, 47.0268,
51.5473

■ 37.8175, 50.7799,
58.8525

■ 40.8904, 52.3335,
60.3768

■ 44.5921, 54.2107,
61.9520

■ 48.9571, 56.4295,
63.5801

■ 54.0174, 59.0061,
65.2625

■ 59.8028, 61.9561,
67.0007

■ 66.3414, 65.2940,
68.7962

Harmonies

Analogous

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



33.2580, 47.8548, 34.8894



31.9733, 47.8548, 54.5655



33.9491, 47.8548, 79.6568

Triad

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



31.9733, 47.8548, 54.5655



54.2945, 47.8548, 97.4955



52.6628, 47.8548, 22.1808

Complementary

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



31.9733, 47.8548, 54.5655



27.1492, 15.3953, 6.5437

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.



59.3754, 47.8548, 31.7761



31.9733, 47.8548, 54.5655



60.3912, 47.8548, 74.2184

Square

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



31.9733, 47.8548, 54.5655



46.3355, 47.8548, 108.5397



62.3493, 47.8548, 49.7210



44.6441, 47.8548, 19.6821

Rectangle

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



31.9733, 47.8548, 54.5655



36.9997, 47.8548, 95.1410



62.3493, 47.8548, 49.7210



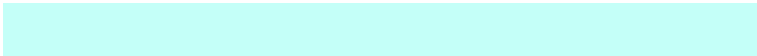
55.1764, 47.8548, 24.5134

Sweetspot

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



31.9747, 47.8566, 54.5666



75.6087, 90.0998, 102.4714



24.5549, 45.0084, 10.0839



15.6501, 19.0142, 21.7264



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.



31.9747, 47.8566, 54.5666



50.0978, 77.2894, 85.8733



22.2326, 25.0925, 61.4311



11.4861, 12.7042, 14.1171



18.8467, 29.2840, 32.2071



0.9883, 1.5171, 1.7460

Inverse Universe

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



27.1492, 15.3953, 6.5437



42.0130, 21.9808, 4.7315



31.0088, 23.8206, 5.6541



11.2634, 11.2341, 11.9219



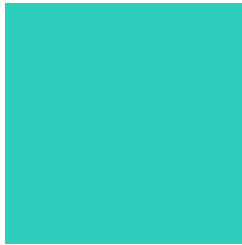
15.7901, 8.1266, 1.3473



0.8325, 0.4264, 0.1636

Previews

White Background



This preview shows how the XYZ color 31.9733, 47.8548, 54.5655 looks on a white background.

Color Contrast Check

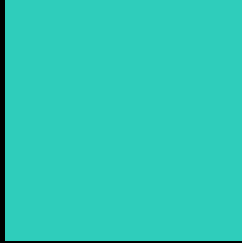
Large Text (above 18pt) WCAG AA × Fail

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 31.9733, 47.8548, 54.5655 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

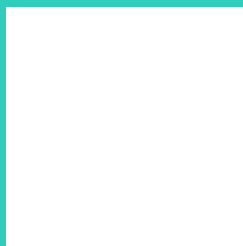
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9733, 47.8548, 54.5655

Background



This preview shows how black text looks on a background with the XYZ color 31.9733, 47.8548, 54.5655.

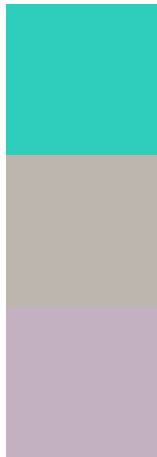


This preview shows how white text looks on a background with the XYZ color 31.9733, 47.8548,

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

31.9733, 47.8548, 54.5655

Protanopia

45.1070, 47.2033, 46.7781

Deuteranopia

47.8535, 46.8966, 56.9819



Tritanopia

35.7258, 47.9763, 73.0231

Trichromacy



Original Color

31.9733, 47.8548, 54.5655



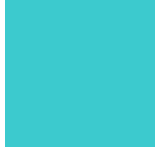
Protanomaly

36.8667, 45.3999, 49.4678



Deuteranomaly

38.1588, 44.9650, 55.9581



Tritanomaly

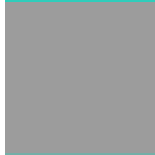
34.1246, 47.6579, 65.7929

Monochromacy



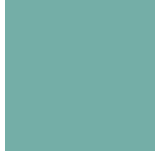
Original Color

31.9733, 47.8548, 54.5655



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.3136, 36.7751, 42.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9733, 47.8548, 54.5655 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(47, 205, 187)` looks like.

```
.text, #text, p{  
    color:rgb(47, 205, 187)  
}
```

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(47, 205, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 205, 187) }
```

Border

The CSS property to change the border of an element to XYZ 31.9733, 47.8548, 54.5655 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(47, 205, 187) }
```


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

```
.border{ border-color:rgb(47, 205, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 205, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 205, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 205, 187);  
box-shadow:4px 4px 4px 4px rgb(47, 205,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9733, 47.8548, 54.5655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 205, 187) }
```

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

```
.background{ background-color: rgb(47, 205,  
187) }
```

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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