

Converting Colors

XYZ(31.3563, 44.5326, 52.4509)

Have a look what the booklet for
XYZ(31.3563, 44.5326, 52.4509)
contains.

XYZ(31.2933, 44.4364, 52.2752)	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(31.2933, 44.4364,
52.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC4B8
RGB	75, 196, 184
RGB Percent	29%, 77%, 72%
CMY	0.7059, 0.2314, 0.2784
CMYK	0.62, 0.00, 0.06, 0.23
HSL	174°, 51%, 53%
HSV	174°, 62%, 77%
XYZ	31.2933, 44.4364, 52.2752
YIQ	158.4530, -68.2640, -29.3840

Conversions

Conversions Part 2

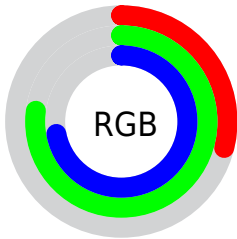
Format	Color
RYB	75, 139, 196
Decimal	4965560
CIELab	72.52, -36.29, -3.99
CIElCh	73, 36.511, 186.269
Yxy	44.4364, 0.2445, 0.3471
Android (android.graphics.Color)	4283155640 (0xFF4BC4B8)
YUV	158.4530, 12.5947, -73.1883
Hunter-Lab	66.6606, -32.8607, 0.1673

Details

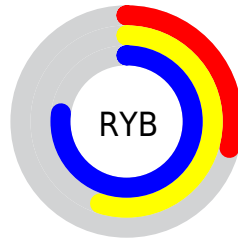
The XYZ color **31.2933, 44.4364, 52.2752** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **27.0028, 17.4573, 10.9647**, and the grayscale version is **32.6732, 34.3747, 37.4341**.

A 20% lighter version of the original color is **61.0068, 81.7761, 95.0070**, and **13.7697, 20.9847, 24.7974** is the 20% darker color. If you saturate the color by 10%, you get **29.7879, 43.6848, 51.1491**, and if you desaturate by 10%, it is **33.2762, 45.4360, 53.4403**.

Distribution



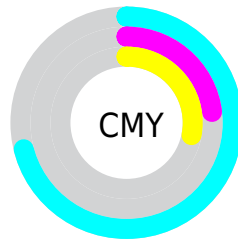
- Red (29%)
- Green (77%)
- Blue (72%)



- Red (29%)
- Yellow (55%)
- Blue (77%)



- Cyan (62%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)





- Cyan (71%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2933, 44.4364, 52.2752 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 31.2933, 44.4364, 52.2752 by changing the saturation by 10% instead.


 31.2933, 44.4364,
52.2752


 31.2933, 44.4364,
52.2752


299.6901,
364.4861, 412.4853


 20.9752, 31.0137,
36.8407


 61.0743, 81.8740,
94.9677


 13.2182, 20.6093,
24.7894


 81.2678, 106.6578,
123.0628

 7.6570, 12.8387,
15.7026


 105.4839,
135.9973, 156.2152

 3.9262, 7.3176,
9.1619

 134.0880,
170.2771, 194.8434

 1.6605, 3.6615,
4.7487

167.4452,
209.8815, 239.3659

 0.4313, 1.4861,
2.0444

205.9211,

 0.0000, 0.2789,

255.1948, 290.2014

0.5824

249.8809,
306.6016, 347.7683

■ 0.0000, 0.0000,
0.0000

■ 31.2933, 44.4364,
52.2752

■ 31.2933, 44.4364,
52.2752

■ 29.7879, 43.6848,
51.1491

■ 33.2762, 45.4360,
53.4403

■ 28.7112, 43.1528,
50.0566

■ 35.7721, 46.6986,
54.6430

■ 28.0107, 42.8144,
48.9962

■ 38.8174, 48.2442,
55.8862

■ 27.6328, 42.6382,
48.1399

■ 42.4442, 50.0892,
57.1715

■ 46.6822, 52.2489,
58.5001

■ 51.5588, 54.7375,
59.8736

■ 57.1001, 57.5685,
61.2931

■ 63.3303, 60.7543,
62.7599

■ 70.2729, 64.3070,
64.2751

Harmonies

Analogous

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



32.0799, 44.4364, 35.7113



31.2933, 44.4364, 52.2752



33.1947, 44.4364, 71.9699

Triad

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



31.2933, 44.4364, 52.2752



49.8218, 44.4364, 82.1273



47.3054, 44.4364, 23.0490

Complementary

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



31.2933, 44.4364, 52.2752



27.0028, 17.4573, 10.9647

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.



52.7846, 44.4364, 30.6117



31.2933, 44.4364, 52.2752



54.3357, 44.4364, 63.7470

Square

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



31.2933, 44.4364, 52.2752



43.5733, 44.4364, 91.7589



55.4704, 44.4364, 44.6903



40.9253, 44.4364, 21.4244

Rectangle

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



31.2933, 44.4364, 52.2752



35.8541, 44.4364, 83.3887



55.4704, 44.4364, 44.6903



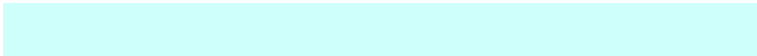
49.3324, 44.4364, 24.8697

Sweetspot

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



31.2946, 44.4381, 52.2762



78.6524, 91.6350, 104.1442



24.9511, 42.0207, 13.4533



16.3856, 19.3849, 22.1435



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.



31.2946, 44.4381, 52.2762



53.2085, 78.7613, 91.9707



23.3941, 26.5375, 56.1157



10.3241, 11.4107, 12.7099



17.7727, 27.4031, 31.0257



0.7806, 1.1891, 1.4074

Inverse Universe

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



27.0028, 17.4573, 10.9647



44.8462, 25.8477, 11.2233



31.1692, 26.5107, 10.1319



10.1129, 10.0938, 10.6850



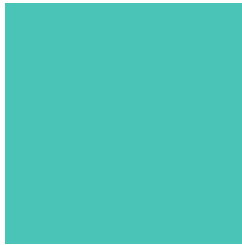
14.7205, 7.5780, 1.1745



0.6500, 0.3330, 0.1244

Previews

White Background



This preview shows how the XYZ color 31.2933, 44.4364, 52.2752 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 31.2933, 44.4364, 52.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

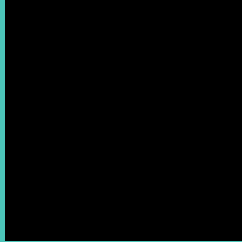
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

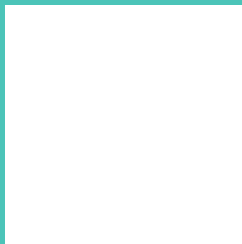
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2933, 44.4364, 52.2752

Background



This preview shows how black text looks on a background with the XYZ color 31.2933, 44.4364, 52.2752.

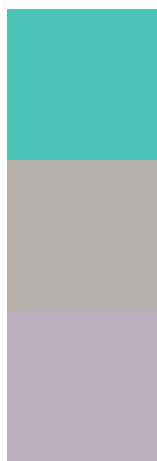


This preview shows how white text looks on a background with the XYZ color 31.2933, 44.4364,

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

31.2933, 44.4364, 52.2752

Protanopia

42.0278, 43.8530, 45.2791

Deuteranopia

44.6769, 43.8705, 54.2572



Tritanopia

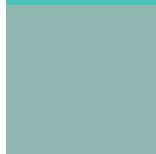
33.9811, 44.1846, 66.4120

Trichromacy



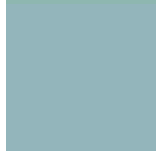
Original Color

31.2933, 44.4364, 52.2752



Protanomaly

35.9253, 42.7523, 47.4329



Deuteranomaly

37.5261, 42.8386, 53.3046



Tritanomaly

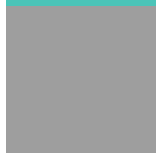
32.7721, 44.0128, 60.8009

Monochromacy



Original Color

31.2933, 44.4364, 52.2752



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.6297, 36.8843, 42.0642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2933, 44.4364, 52.2752 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(75, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(75, 196, 184)  
}
```

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(75, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 196, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.2933, 44.4364, 52.2752 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(75, 196, 184) }
```


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

```
.border{ border-color:rgb(75, 196, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 196, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 196, 184);  
box-shadow:4px 4px 4px 4px rgb(75, 196,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2933, 44.4364, 52.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 196, 184) }
```

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

```
.background{ background-color: rgb(75, 196,  
184) }
```

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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