

Converting Colors

XYZ(31.7533, 45.1724, 60.4671)

Have a look what the booklet for
XYZ(31.7533, 45.1724, 60.4671)
contains.

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Color

**XYZ(31.7524, 45.1692,
60.4711)**

Conversions

Conversions Part 1

Format	Color
Hex	33C6C6
RGB	51, 198, 198
RGB Percent	20%, 78%, 78%
CMY	0.8000, 0.2235, 0.2235
CMYK	0.74, 0.00, 0.00, 0.22
HSL	180°, 59%, 49%
HSV	180°, 74%, 78%
XYZ	31.7524, 45.1692, 60.4711
YIQ	154.0470, -87.6120, -31.1640

Conversions

Conversions Part 2

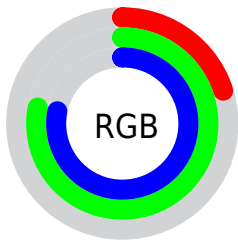
Format	Color
RYB	51, 125, 198
Decimal	3393222
CIELab	73.00, -36.70, -10.94
CIELCh	73, 38.295, 196.604
Yxy	45.1692, 0.2311, 0.3288
Android (android.graphics.Color)	4281583302 (0xFF33C6C6)
YUV	154.0470, 21.6688, -90.3722
Hunter-Lab	67.2080, -33.2818, -6.3011

Details

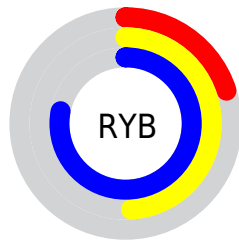
The XYZ color **31.7524, 45.1692, 60.4711** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.0716, 14.6139, 4.6328**, and the grayscale version is **30.6732, 32.2706, 35.1427**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **14.8565, 21.6585, 29.7831** is the 20% darker color. If you saturate the color by 10%, you get **30.9594, 44.7614, 60.4349**, and if you desaturate by 10%, it is **32.9727, 45.7993, 60.5294**.

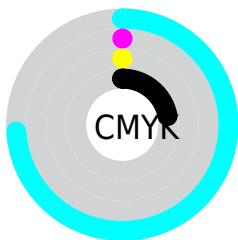
Distribution



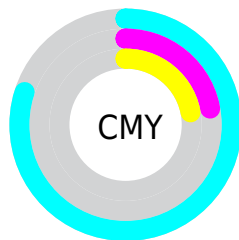
- Red (20%)
- Green (78%)
- Blue (78%)



- Red (20%)
- Yellow (49%)
- Blue (78%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (80%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7524, 45.1692, 60.4711 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 31.7524, 45.1692, 60.4711 by changing the saturation by 10% instead.

31.7524, 45.1692,
60.4711

31.7524, 45.1692,
60.4711

301.7552,
367.4584, 444.1848

21.3271, 31.5907,
43.3707

61.7905, 82.9743,
107.0628

13.4771, 21.0491,
29.8425

82.1341, 107.9696,
137.3912

7.8372, 13.1599,
19.4680

106.5144,
137.5394, 172.9660

4.0419, 7.5387,
11.8287

135.2969,
172.0680, 214.2057

1.7258, 3.8012,
6.5060

168.8468,
211.9398, 261.5289

0.4724, 1.5630,
3.0814

207.5296,

0.0000, 0.3325,

257.5392, 315.3541

1.1364

251.7106,
309.2506, 376.0999

■ 0.0000, 0.0000,
0.0000

■ 31.7524, 45.1692,
60.4711

■ 31.7524, 45.1692,
60.4711

■ 30.9594, 44.7614,
60.4349

■ 32.9727, 45.7993,
60.5294

■ 30.5314, 44.5408,
60.4147

■ 34.6642, 46.6713,
60.6086

■ 30.3879, 44.4668,
60.4079

■ 36.8698, 47.8083,
60.7120

■ 39.6266, 49.2295,
60.8411

■ 42.9681, 50.9521,
60.9976

■ 46.9253, 52.9921,
61.1830

■ 51.5269, 55.3643,
61.3984

■ 56.7998, 58.0826,
61.6453

■ 62.7696, 61.1601,
61.9248

Harmonies

Analogous

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



31.6003, 45.1692, 41.1345



31.7524, 45.1692, 60.4711



34.6909, 45.1692, 81.0806

Triad

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



31.7524, 45.1692, 60.4711



52.9678, 45.1692, 79.0639



45.9801, 45.1692, 21.3548

Complementary

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



31.7524, 45.1692, 60.4711



25.0716, 14.6139, 4.6328

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.



52.3846, 45.1692, 26.9853



31.7524, 45.1692, 60.4711



56.6926, 45.1692, 58.2151

Square

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



31.7524, 45.1692, 60.4711



46.7115, 45.1692, 93.5779



56.4687, 45.1692, 39.3926



39.3620, 45.1692, 21.6621

Rectangle

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



31.7524, 45.1692, 60.4711



38.0264, 45.1692, 91.3054



56.4687, 45.1692, 39.3926



48.2422, 45.1692, 22.5375

Sweetspot

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



31.7538, 45.1709, 60.4722



77.3366, 90.8684, 108.0705



22.2851, 41.3981, 9.9493



16.1696, 19.2518, 23.1136



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.



31.7538, 45.1709, 60.4722



54.2899, 78.9874, 106.9904



19.1430, 19.9491, 56.2695



10.9468, 12.0676, 13.6698



19.7614, 28.9169, 39.2835



0.9357, 1.3692, 1.8601

Inverse Universe

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



25.0716, 14.6139, 4.6328



41.8667, 22.1770, 3.1759



30.8538, 26.1784, 6.5600



10.6339, 10.6369, 11.0555



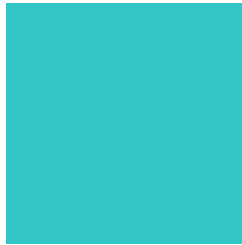
15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 31.7524, 45.1692, 60.4711 looks on a white background.

Color Contrast Check

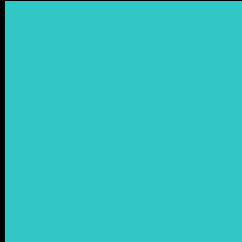
Large Text (above 18pt) WCAG AA × Fail

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 31.7524, 45.1692, 60.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

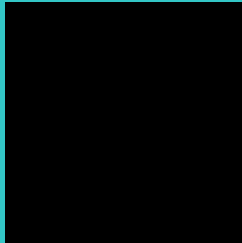
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

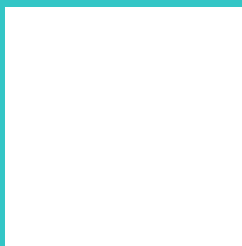
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7524, 45.1692, 60.4711

Background



This preview shows how black text looks on a background with the XYZ color 31.7524, 45.1692, 60.4711.

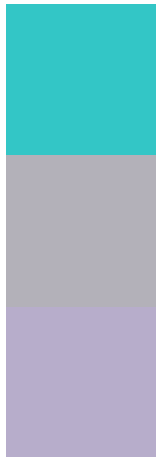


This preview shows how white text looks on a background with the XYZ color 31.7524, 45.1692,

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

31.7524, 45.1692, 60.4711

Protanopia

43.0695, 44.5308, 52.2242

Deuteranopia

45.2515, 44.2662, 62.6591



Tritanopia

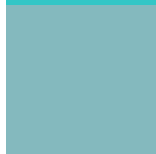
33.5481, 45.2254, 69.2486

Trichromacy



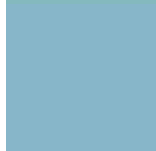
Original Color

31.7524, 45.1692, 60.4711



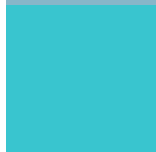
Protanomaly

36.1589, 43.3212, 55.1712



Deuteranomaly

37.2622, 42.8238, 61.5602



Tritanomaly

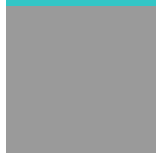
32.9161, 45.3074, 66.0418

Monochromacy



Original Color

31.7524, 45.1692, 60.4711



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.9665, 35.4336, 43.3429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7524, 45.1692, 60.4711 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(51, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 198, 198)  
}
```

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(51, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.7524, 45.1692, 60.4711 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(51, 198, 198) }
```


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

```
.border{ border-color:rgb(51, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7524, 45.1692, 60.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 198, 198) }
```

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

```
.background{ background-color: rgb(51, 198,  
198) }
```

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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