

Converting Colors

XYZ(31.4088, 45.3232, 61.0641)

Have a look what the booklet for
XYZ(31.4088, 45.3232, 61.0641)
contains.

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Color

**XYZ(31.4254, 45.3277,
61.1257)**

Conversions

Conversions Part 1

Format	Color
Hex	23C7C7
RGB	35, 199, 199
RGB Percent	14%, 78%, 78%
CMY	0.8627, 0.2196, 0.2196
CMYK	0.82, 0.00, 0.00, 0.22
HSL	180°, 70%, 46%
HSV	180°, 82%, 78%
XYZ	31.4254, 45.3277, 61.1257
YIQ	149.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

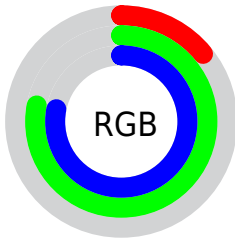
Format	Color
RYB	35, 117, 199
Decimal	2344903
CIELab	73.11, -38.34, -11.35
CIElCh	73, 39.988, 196.496
Yxy	45.3277, 0.2279, 0.3288
Android (android.graphics.Color)	4280534983 (0xFF23C7C7)
YUV	149.9640, 24.1747, -100.8234
Hunter-Lab	67.3258, -34.5026, -6.7018

Details

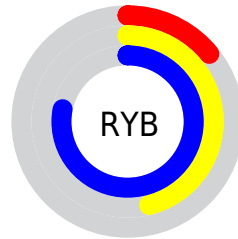
The XYZ color **31.4254, 45.3277, 61.1257** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **24.4591, 13.4670, 2.9018**, and the grayscale version is **28.9072, 30.4127, 33.1194**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **15.0841, 21.9909, 30.2377** is the 20% darker color. If you saturate the color by 10%, you get **30.9319, 45.0743, 61.1035**, and if you desaturate by 10%, it is **32.3041, 45.7817, 61.1680**.

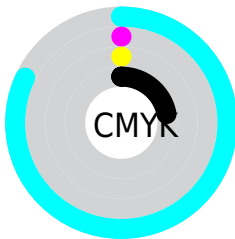
Distribution



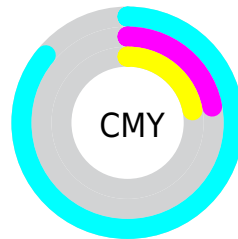
- Red (14%)
- Green (78%)
- Blue (78%)



- Red (14%)
- Yellow (46%)
- Blue (78%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (86%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4254, 45.3277, 61.1257 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 31.4254, 45.3277, 61.1257 by changing the saturation by 10% instead.


 31.4254, 45.3277,
61.1257


 31.4254, 45.3277,
61.1257


300.2854,
368.0991, 446.6541


 21.0764, 31.7156,
43.8954


 61.2805, 83.2119,
108.0202


 13.2926, 21.1444,
30.2517


 81.5173, 108.2529,
138.5215

 7.7088, 13.2296,
19.7760


 105.7808,
137.8723, 174.2836

 3.9594, 7.5868,
12.0499

 134.4363,
172.4544, 215.7249

 1.6792, 3.8317,
6.6547

 167.8491,
212.3838, 263.2641

 0.4432, 1.5799,
3.1720

206.3847,

 0.0000, 0.3440,

258.0448, 317.3197

1.1831

250.4083,
309.8218, 378.3101

■ 0.0000, 0.0000,
0.0000

■ 31.4254, 45.3277,
61.1257

■ 31.4254, 45.3277,
61.1257

■ 30.9319, 45.0743,
61.1035

■ 32.3041, 45.7817,
61.1680

■ 30.7330, 44.9718,
61.0941

■ 33.6205, 46.4603,
61.2297

■ 35.4232, 47.3896,
61.3141

■ 37.7533, 48.5908,
61.4233

■ 40.6475, 50.0829,
61.5589

■ 44.1395, 51.8830,
61.7224

■ 48.2599, 54.0072,
61.9153

■ 53.0377, 56.4702,
62.1390

■ 58.4997, 59.2860,
62.3947

Harmonies

Analogous

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



31.2783, 45.3277, 40.8911



31.4254, 45.3277, 61.1257



34.4674, 45.3277, 82.9158

Triad

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



31.4254, 45.3277, 61.1257



53.5984, 45.3277, 80.9209



46.3018, 45.3277, 20.5655

Complementary

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



31.4254, 45.3277, 61.1257



24.4591, 13.4670, 2.9018

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.



53.0257, 45.3277, 26.3467



31.4254, 45.3277, 61.1257



57.5361, 45.3277, 58.9111

Square

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



31.4254, 45.3277, 61.1257



47.0176, 45.3277, 96.2945



57.3158, 45.3277, 39.2001



39.3735, 45.3277, 20.8574

Rectangle

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



31.4254, 45.3277, 61.1257



37.9359, 45.3277, 93.8008



57.3158, 45.3277, 39.2001



48.6750, 45.3277, 21.7779

Sweetspot

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



31.4268, 45.3294, 61.1268



75.3587, 89.8488, 107.9780



21.5179, 41.3770, 8.4439



15.6614, 18.9898, 23.0898



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.



31.4268, 45.3294, 61.1268



53.8416, 78.7563, 106.9696



17.6885, 17.8525, 56.5482



10.9468, 12.0676, 13.6698



19.7614, 28.9169, 39.2837



0.9357, 1.3692, 1.8601

Inverse Universe

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



24.4591, 13.4670, 2.9018



41.2817, 21.3209, 2.0129



29.9062, 24.3611, 4.7174



10.6339, 10.6369, 11.0554



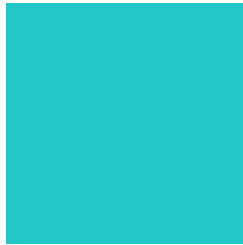
15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 31.4254, 45.3277, 61.1257 looks on a white background.

Color Contrast Check

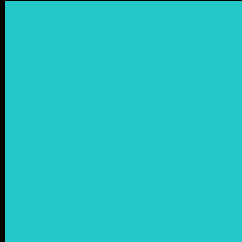
Large Text (above 18pt) WCAG AA × Fail

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 31.4254, 45.3277, 61.1257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

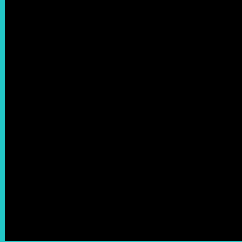
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

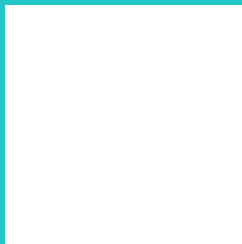
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4254, 45.3277, 61.1257

Background



This preview shows how black text looks on a background with the XYZ color 31.4254, 45.3277, 61.1257.

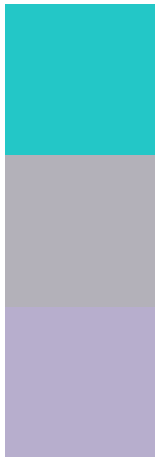


This preview shows how white text looks on a background with the XYZ color 31.4254, 45.3277,

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

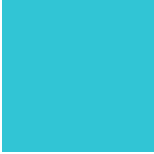
31.4254, 45.3277, 61.1257

Protanopia

43.0695, 44.5308, 52.2242

Deuteranopia

45.6839, 44.7472, 63.9869



Tritanopia

33.2431, 45.3896, 69.9598

Trichromacy



Original Color

31.4254, 45.3277, 61.1257



Protanomaly

35.3956, 42.9277, 55.1355



Deuteranomaly

36.7662, 42.8459, 62.8322



Tritanomaly

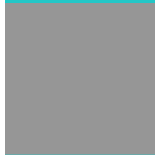
32.6180, 45.4777, 66.7334

Monochromacy



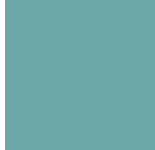
Original Color

31.4254, 45.3277, 61.1257



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.2549, 34.0206, 42.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4254, 45.3277, 61.1257 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(35, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(35, 199, 199)  
}
```

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(35, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.4254, 45.3277, 61.1257 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(35, 199, 199) }
```


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

```
.border{ border-color:rgb(35, 199, 199) }
```

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

Here you see how a box with a 4 pixel rgb(35, 199, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(35, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4254, 45.3277, 61.1257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 199, 199) }
```

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

```
.background{ background-color: rgb(35, 199,  
199) }
```

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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