

Converting Colors

XYZ(31.5639, 45.3678, 61.0589)

Have a look what the booklet for
XYZ(31.5639, 45.3678, 61.0589)
contains.

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Color

**XYZ(31.6073, 45.4215,
61.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	28C7C7
RGB	40, 199, 199
RGB Percent	16%, 78%, 78%
CMY	0.8431, 0.2196, 0.2196
CMYK	0.80, 0.00, 0.00, 0.22
HSL	180°, 67%, 47%
HSV	180°, 80%, 78%
XYZ	31.6073, 45.4215, 61.1342
YIQ	151.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

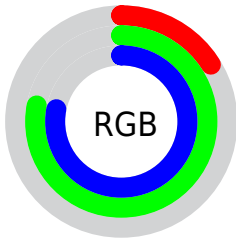
Format	Color
RYB	40, 120, 199
Decimal	2672583
CIELab	73.17, -37.94, -11.26
CIELCh	73, 39.575, 196.525
Yxy	45.4215, 0.2288, 0.3288
Android (android.graphics.Color)	4280862663 (0xFF28C7C7)
YUV	151.4590, 23.4377, -97.7495
Hunter-Lab	67.3955, -34.2287, -6.6049

Details

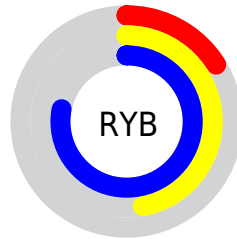
The XYZ color **31.6073, 45.4215, 61.1342** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **24.6965, 13.8143, 3.3736**, and the grayscale version is **29.5461, 31.0848, 33.8513**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **15.0841, 21.9909, 30.2377** is the 20% darker color. If you saturate the color by 10%, you get **31.0239, 45.1217, 61.1078**, and if you desaturate by 10%, it is **32.5914, 45.9298, 61.1814**.

Distribution



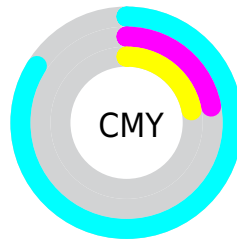
- Red (16%)
- Green (78%)
- Blue (78%)



- Red (16%)
- Yellow (47%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6073, 45.4215, 61.1342 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 31.6073, 45.4215, 61.1342 by changing the saturation by 10% instead.

■ 31.6073, 45.4215,
61.1342

■ 31.6073, 45.4215,
61.1342

301.1036,
368.4780, 446.6861

■ 21.2158, 31.7896,
43.9022

■ 61.5643, 83.3526,
108.0326

■ 13.3952, 21.2008,
30.2570

■ 81.8605, 108.4205,
138.5362

■ 7.7801, 13.2709,
19.7800

■ 106.1891,
138.0691, 174.3007

■ 4.0052, 7.6153,
12.0528

■ 134.9153,
172.6830, 215.7446

■ 1.7051, 3.8498,
6.6567

■ 168.4045,
212.6464, 263.2866

■ 0.4594, 1.5899,
3.1731

207.0220,

■ 0.0000, 0.3508,

258.3438, 317.3452

1.1837

251.1333,
310.1595, 378.3388

■ 0.0000, 0.0000,
0.0000

■ 31.6073, 45.4215,
61.1342

■ 31.6073, 45.4215,
61.1342

■ 31.0239, 45.1217,
61.1078

■ 32.5914, 45.9298,
61.1814

■ 30.7357, 44.9732,
61.0942

■ 34.0257, 46.6692,
61.2486

■ 30.7330, 44.9718,
61.0941

■ 35.9571, 47.6649,
61.3392

■ 38.4256, 48.9374,
61.4548

■ 41.4669, 50.5053,
61.5972

■ 45.1138, 52.3853,
61.7680

■ 49.3967, 54.5932,
61.9686

■ 54.3438, 57.1436,
62.2002

■ 59.9817, 60.0500,
62.4642

Harmonies

Analogous

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



31.4583, 45.4215, 41.0796



31.6073, 45.4215, 61.1342



34.6309, 45.4215, 82.6713

Triad

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



31.6073, 45.4215, 61.1342



53.5903, 45.4215, 80.6635



46.3545, 45.4215, 20.8367

Complementary

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



31.6073, 45.4215, 61.1342



24.6965, 13.8143, 3.3736

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.



53.0128, 45.4215, 26.5958



31.6073, 45.4215, 61.1342



57.4824, 45.4215, 58.9007

Square

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



31.6073, 45.4215, 61.1342



47.0770, 45.4215, 95.8511



57.2604, 45.4215, 39.3691



39.4887, 45.4215, 21.1338

Rectangle

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



31.6073, 45.4215, 61.1342



38.0743, 45.4215, 93.4103



57.2604, 45.4215, 39.3691



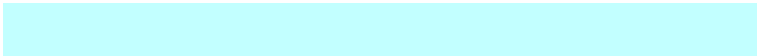
48.7050, 45.4215, 22.0450

Sweetspot

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



31.6087, 45.4232, 61.1353



76.0067, 90.1828, 108.0083



21.7895, 41.5079, 8.8721



15.7852, 19.0537, 23.0956



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.



31.6087, 45.4232, 61.1353



53.9373, 78.8057, 106.9739



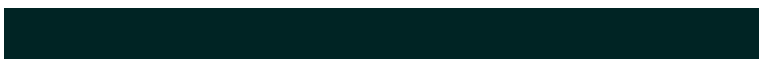
18.1637, 18.5330, 56.6545



10.9468, 12.0676, 13.6698



19.7614, 28.9169, 39.2836



0.9357, 1.3692, 1.8601

Inverse Universe

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



24.6965, 13.8143, 3.3736



41.4066, 21.5038, 2.2612



30.2820, 24.9854, 5.2353



10.6339, 10.6369, 11.0555



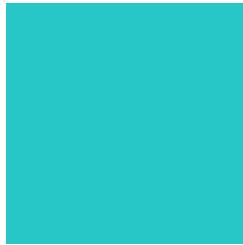
15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 31.6073, 45.4215, 61.1342 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 31.6073, 45.4215, 61.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

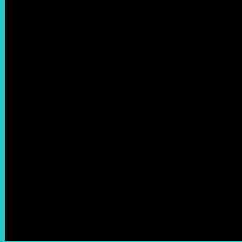
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

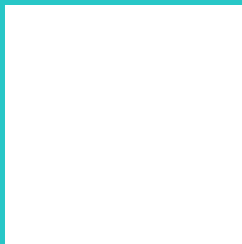
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6073, 45.4215, 61.1342

Background



This preview shows how black text looks on a background with the XYZ color 31.6073, 45.4215, 61.1342.

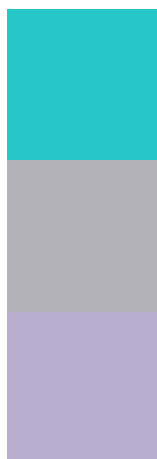


This preview shows how white text looks on a background with the XYZ color 31.6073, 45.4215,

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

31.6073, 45.4215, 61.1342

Protanopia

43.1755, 44.5732, 52.7823

Deuteranopia

45.6839, 44.7472, 63.9869



Tritanopia

33.3927, 45.4667, 69.9668

Trichromacy



Original Color

31.6073, 45.4215, 61.1342



Protanomaly

35.6550, 43.0487, 55.7202



Deuteranomaly

37.0731, 43.0041, 62.8466



Tritanomaly

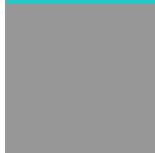
32.7982, 45.5706, 66.7419

Monochromacy



Original Color

31.6073, 45.4215, 61.1342



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.6261, 34.2119, 42.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6073, 45.4215, 61.1342 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(40, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.6073, 45.4215, 61.1342 is called "border". The border property can be set on classes, ids or directly on the HTML element.

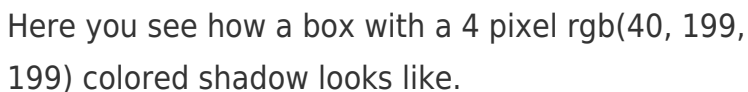
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(40, 199, 199) }
```


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

```
.border{ border-color:rgb(40, 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(40, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6073, 45.4215, 61.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 199) }
```

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

```
.background{ background-color: rgb(40, 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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