

Converting Colors

XYZ(20.3423, 41.0755, 60.8095)

Have a look what the booklet for
XYZ(20.3423, 41.0755, 60.8095)
contains.

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Color

**XYZ(31.6647, 46.8354,
61.4041)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBC7
RGB	0, 203, 199
RGB Percent	0%, 80%, 78%
CMY	0.9998, 0.2039, 0.2196
CMYK	1.00, 0.00, 0.02, 0.20
HSL	179°, 100%, 40%
HSV	179°, 100%, 80%
XYZ	31.6647, 46.8354, 61.4041
YIQ	141.8470, -119.7040, -44.2800

Conversions

Conversions Part 2

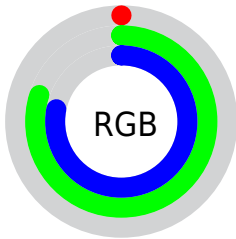
Format	Color
RYB	0, 103, 203
Decimal	52167
CIELab	74.08, -41.68, -9.92
CIELCh	74, 42.843, 193.388
Yxy	46.8354, 0.2263, 0.3348
Android (android.graphics.Color)	4278242247 (0xFF00CBC7)
YUV	141.8470, 28.1764, -124.3998
Hunter-Lab	68.4364, -37.1739, -5.2921

Details

The XYZ color **31.6647, 46.8354, 61.4041** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.6520, 12.7066, 1.2693**, and the grayscale version is **25.5819, 26.9141, 29.3095**.

A 20% lighter version of the original color is **59.7539, 81.8042, 107.2482**, and **15.7007, 23.2241, 30.4433** is the 20% darker color. If you saturate the color by 10%, you get **31.6655, 46.8369, 61.4047**, and if you desaturate by 10%, it is **32.0076, 47.0078, 61.6641**.

Distribution



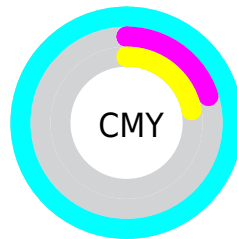
- Red (0%)
- Green (80%)
- Blue (78%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6647, 46.8354, 61.4041 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 31.6647, 46.8354, 61.4041 by changing the saturation by 10% instead.

31.6647, 46.8354,
61.4041

31.6647, 46.8354,
61.4041

301.3615,
374.1571, 447.7016

21.2598, 32.9056,
44.1187

61.6538, 85.4679,
108.4270

13.4276, 22.0541,
30.4260

81.9688, 110.9393,
139.0017

7.8027, 13.8967,
19.9073

106.3178,
141.0267, 174.8431

4.0197, 8.0488,
12.1443

135.0663,
176.1144, 216.3699

1.7133, 4.1262,
6.7183

168.5795,
216.5870, 264.0007

0.4646, 1.7444,
3.2108

207.2229,

0.0000, 0.4522,

262.8287, 318.1538

1.2032

251.3618,
315.2239, 379.2480

■ 0.0000, 0.0000,
0.0000

■ 31.6647, 46.8354,
61.4041

■ 31.6647, 46.8354,
61.4041

■ 31.6655, 46.8369,
61.4047

■ 32.0076, 47.0078,
61.6641

■ 32.6590, 47.3382,
61.9382

■ 33.7264, 47.8831,
62.2323

■ 35.2665, 48.6716,
62.5493

■ 37.3271, 49.7284,
62.8912

■ 39.9502, 51.0753,
63.2601

■ 43.1735, 52.7315,
63.6577

■ 47.0314, 54.7148,
64.0856

■ 51.5559, 57.0418,
64.5454

Harmonies

Analogous

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



31.8360, 46.8354, 39.8576



31.6647, 46.8354, 61.4041



34.6431, 46.8354, 85.8239

Triad

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



31.6647, 46.8354, 61.4041



55.4241, 46.8354, 88.2215



48.8625, 46.8354, 20.3045

Complementary

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



31.6647, 46.8354, 61.4041



24.6520, 12.7066, 1.2693

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.



56.1054, 46.8354, 27.1532



31.6647, 46.8354, 61.4041



60.1811, 46.8354, 64.0368

Square

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



31.6647, 46.8354, 61.4041



48.0153, 46.8354, 104.0504



60.4438, 46.8354, 41.8356



41.1903, 46.8354, 19.9737

Rectangle

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



31.6647, 46.8354, 61.4041



38.2360, 46.8354, 98.7943



60.4438, 46.8354, 41.8356



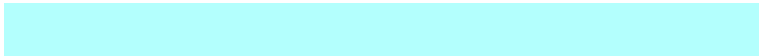
51.4477, 46.8354, 21.8064

Sweetspot

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



31.6661, 46.8371, 61.4052



72.0431, 88.1675, 106.5607



21.4420, 42.7573, 7.1240



14.9035, 18.6059, 22.7464



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.



31.6661, 46.8371, 61.4052



53.0110, 78.4204, 102.7626



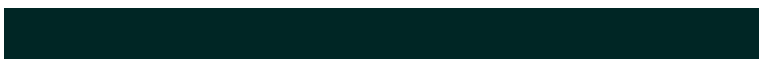
16.1731, 15.0978, 58.5636



11.5334, 12.7231, 14.3661



20.1554, 29.8074, 39.0987



1.0429, 1.5390, 2.0335

Inverse Universe

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



24.6520, 12.7066, 1.2693



41.2675, 21.2710, 2.0750



28.6998, 20.8374, 2.5105



11.2211, 11.2172, 11.6992



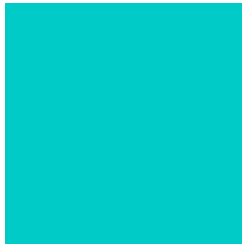
15.6914, 8.0872, 0.8278



0.8127, 0.4185, 0.0596

Previews

White Background



This preview shows how the XYZ color 31.6647, 46.8354, 61.4041 looks on a white background.

Color Contrast Check

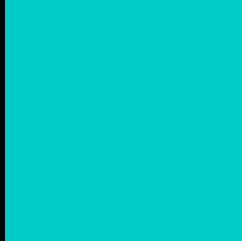
Large Text (above 18pt) WCAG AA × Fail

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 31.6647, 46.8354, 61.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

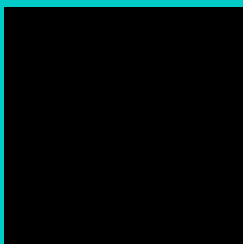
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

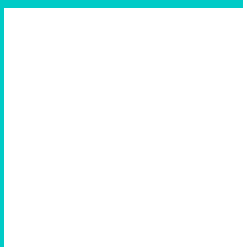
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6647, 46.8354, 61.4041

Background



This preview shows how black text looks on a background with the XYZ color 31.6647, 46.8354, 61.4041.

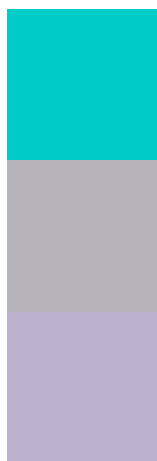


This preview shows how white text looks on a background with the XYZ color 31.6647, 46.8354,

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

31.6647, 46.8354, 61.4041

Protanopia

44.6067, 46.2126, 52.4678

Deuteranopia

47.0383, 46.0232, 64.1618



Tritanopia

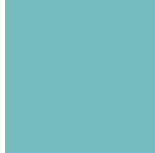
34.0537, 46.7694, 72.8782

Trichromacy



Original Color

31.6647, 46.8354, 61.4041



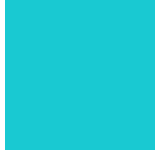
Protanomaly

34.4799, 43.3971, 55.2744



Deuteranomaly

35.9461, 43.3515, 62.9730



Tritanomaly

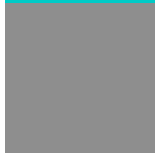
32.9204, 46.6331, 68.2388

Monochromacy



Original Color

31.6647, 46.8354, 61.4041



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.1028, 31.3689, 39.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6647, 46.8354, 61.4041 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(0, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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(0, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.6647, 46.8354, 61.4041 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(0, 203, 199) }
```


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

```
.border{ border-color:rgb(0, 203, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6647, 46.8354, 61.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 199) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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