

Converting Colors

XYZ(31.1919, 46.2876, 59.3089)

Have a look what the booklet for
XYZ(31.1919, 46.2876, 59.3089)
contains.

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Color

**XYZ(31.2360, 46.3047,
59.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	0CCAC4
RGB	12, 202, 196
RGB Percent	5%, 79%, 77%
CMY	0.9528, 0.2078, 0.2314
CMYK	0.94, 0.00, 0.03, 0.21
HSL	178°, 89%, 42%
HSV	178°, 94%, 79%
XYZ	31.2360, 46.3047, 59.5160
YIQ	144.5060, -111.3140, -42.1460

Conversions

Conversions Part 2

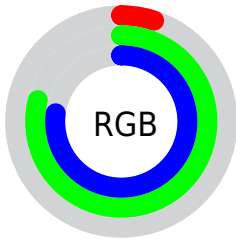
Format	Color
RYB	12, 109, 202
Decimal	838340
CIELab	73.74, -41.78, -8.80
CIELCh	74, 42.694, 191.891
Yxy	46.3047, 0.2279, 0.3379
Android (android.graphics.Color)	4279028420 (0xFF0CCAC4)
YUV	144.5060, 25.3865, -116.2078
Hunter-Lab	68.0476, -37.1460, -4.2231

Details

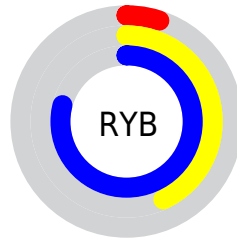
The XYZ color **31.2360, 46.3047, 59.5160** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.5994, 12.8648, 1.7608**, and the grayscale version is **26.6520, 28.0399, 30.5355**.

A 20% lighter version of the original color is **59.5530, 81.7376, 105.5667**, and **15.3162, 22.8204, 29.1887** is the 20% darker color. If you saturate the color by 10%, you get **31.0419, 46.2107, 59.2822**, and if you desaturate by 10%, it is **31.7612, 46.5681, 59.9217**.

Distribution



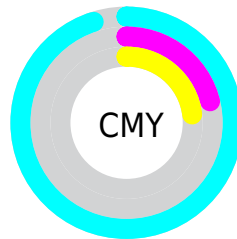
- Red (5%)
- Green (79%)
- Blue (77%)



- Red (5%)
- Yellow (43%)
- Blue (79%)



- Cyan (94%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)



- Cyan (95%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2360, 46.3047, 59.5160 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 31.2360, 46.3047, 59.5160 by changing the saturation by 10% instead.

31.2360, 46.3047,
59.5160

31.2360, 46.3047,
59.5160

299.4316,
372.0323, 440.5665

20.9313, 32.4863,
42.6059

60.9848, 84.6748,
105.6637

13.1860, 21.7332,
29.2469

81.1596, 109.9954,
135.7384

7.6346, 13.6610,
19.0205

105.3551,
139.9188, 171.0384

3.9119, 7.8853,
11.5081

133.9368,
174.8294, 211.9822

1.6524, 4.0216,
6.2913

167.2699,
215.1117, 258.9884

0.4262, 1.6857,
2.9513

205.7198,

0.0000, 0.4144,

261.1500, 312.4755

1.0698

249.6519,
313.3287, 372.8620

■ 0.0000, 0.0000,
0.0000

■ 31.2360, 46.3047,
59.5160

■ 31.2360, 46.3047,
59.5160

■ 31.0419, 46.2107,
59.2822

■ 31.7612, 46.5681,
59.9217

■ 32.6702, 47.0282,
60.3459

■ 34.0253, 47.7183,
60.7926

■ 35.8768, 48.6642,
61.2641

■ 38.2681, 49.8885,
61.7625

■ 41.2383, 51.4111,
62.2897

■ 44.8225, 53.2502,
62.8472

■ 49.0531, 55.4224,
63.4365

■ 53.9603, 57.9435,
64.0592

Harmonies

Analogous

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



31.5626, 46.3047, 38.5267



31.2360, 46.3047, 59.5160



34.0301, 46.3047, 83.7349

Triad

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



31.2360, 46.3047, 59.5160



54.4764, 46.3047, 88.3042



48.6978, 46.3047, 20.2440

Complementary

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



31.2360, 46.3047, 59.5160



24.5994, 12.8648, 1.7608

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.



55.7749, 46.3047, 27.3697



31.2360, 46.3047, 59.5160



59.3659, 46.3047, 64.5342

Square

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



31.2360, 46.3047, 59.5160



47.0828, 46.3047, 103.2764



59.8666, 46.3047, 42.2978



41.0762, 46.3047, 19.6131

Rectangle

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



31.2360, 46.3047, 59.5160



37.4963, 46.3047, 96.9168



59.8666, 46.3047, 42.2978



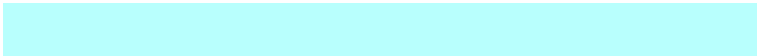
51.2402, 46.3047, 21.8381

Sweetspot

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



31.2374, 46.3064, 59.5171



73.1204, 88.7366, 105.9891



21.4443, 42.4013, 7.4032



15.0980, 18.7097, 22.5984



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.



31.2374, 46.3064, 59.5171



52.5399, 78.2319, 100.2815



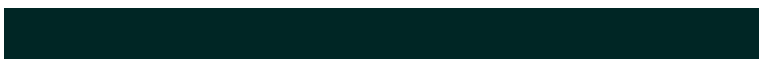
16.7580, 16.2325, 58.1288



11.5274, 12.7207, 14.3345



19.9810, 29.7377, 38.1806



1.0357, 1.5361, 1.9956

Inverse Universe

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



24.5994, 12.8648, 1.7608



41.2841, 21.2777, 2.1624



29.0482, 21.8311, 3.0320



11.2264, 11.2193, 11.7271



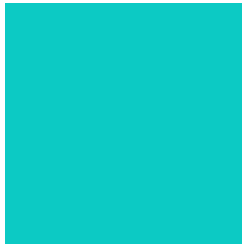
15.7022, 8.0915, 0.8846



0.8152, 0.4195, 0.0727

Previews

White Background



This preview shows how the XYZ color 31.2360, 46.3047, 59.5160 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 31.2360, 46.3047, 59.5160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

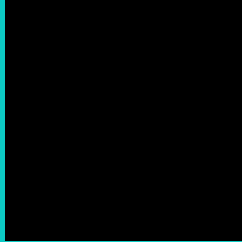
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

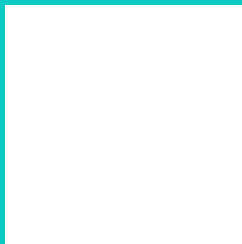
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2360, 46.3047, 59.5160

Background



This preview shows how black text looks on a background with the XYZ color 31.2360, 46.3047, 59.5160.

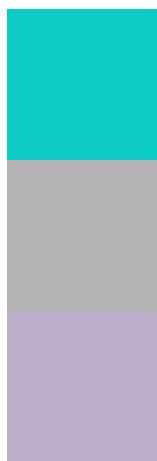


This preview shows how white text looks on a background with the XYZ color 31.2360, 46.3047,

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

31.2360, 46.3047, 59.5160

Protanopia

43.8550, 45.5627, 50.7390

Deuteranopia

46.4842, 45.4890, 62.2074



Tritanopia

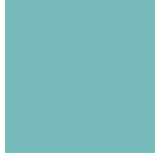
33.6854, 46.2667, 71.4449

Trichromacy



Original Color

31.2360, 46.3047, 59.5160



Protanomaly

34.4857, 43.1216, 53.5194



Deuteranomaly

35.9427, 43.0790, 61.0643



Tritanomaly

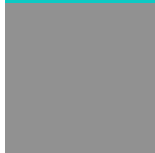
32.6351, 46.1697, 66.8661

Monochromacy



Original Color

31.2360, 46.3047, 59.5160



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.2668, 32.4942, 40.0623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2360, 46.3047, 59.5160 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(12, 202, 196)` looks like.

```
.text, #text, p{  
    color:rgb(12, 202, 196)  
}
```

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(12, 202, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 202, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.2360, 46.3047, 59.5160 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(12, 202, 196) }
```


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

```
.border{ border-color:rgb(12, 202, 196) }
```

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

Here you see how a box with a 4 pixel rgb(12, 202, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 202, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 202, 196);  
box-shadow:4px 4px 4px 4px rgb(12, 202,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2360, 46.3047, 59.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 202, 196) }
```

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

```
.background{ background-color: rgb(12, 202,  
196) }
```

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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