

Converting Colors

XYZ(31.9249, 47.7018, 60.4237)

Have a look what the booklet for
XYZ(31.9249, 47.7018, 60.4237)
contains.

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Color

**XYZ(31.9094, 47.6939,
60.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDC5
RGB	0, 205, 197
RGB Percent	0%, 80%, 77%
CMY	0.9998, 0.1961, 0.2274
CMYK	1.00, 0.00, 0.04, 0.20
HSL	178°, 100%, 40%
HSV	178°, 100%, 80%
XYZ	31.9094, 47.6939, 60.3474
YIQ	142.7930, -119.6120, -45.9480

Conversions

Conversions Part 2

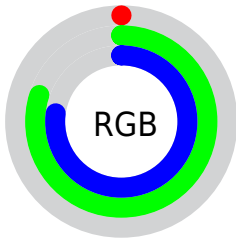
Format	Color
RYB	0, 105, 205
Decimal	52677
CIELab	74.63, -43.15, -8.02
CIELCh	75, 43.886, 190.534
Yxy	47.6939, 0.2280, 0.3408
Android (android.graphics.Color)	4278242757 (0xFF00CDC5)
YUV	142.7930, 26.7241, -125.2295
Hunter-Lab	69.0608, -38.3808, -3.4669

Details

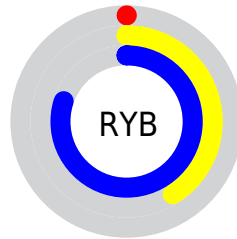
The XYZ color **31.9094, 47.6939, 60.3474** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.2222, 12.9982, 1.4106**, and the grayscale version is **25.9627, 27.3148, 29.7458**.

A 20% lighter version of the original color is **59.5933, 81.7399, 106.4024**, and **15.8643, 23.7959, 29.7435** is the 20% darker color. If you saturate the color by 10%, you get **31.9101, 47.6953, 60.3475**, and if you desaturate by 10%, it is **32.3019, 47.8867, 60.8469**.

Distribution



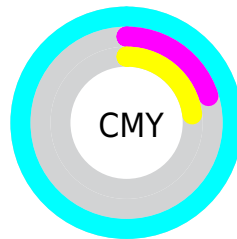
- Red (0%)
- Green (80%)
- Blue (77%)



- Red (0%)
- Yellow (41%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9094, 47.6939, 60.3474 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 31.9094, 47.6939, 60.3474 by changing the saturation by 10% instead.


 31.9094, 47.6939,
60.3474


 31.9094, 47.6939,
60.3474


302.4590,
377.5775, 443.7172


 21.4475, 33.5845,
43.2716


 62.0352, 86.7485,
106.8818


 13.5658, 22.5746,
29.7653


 82.4298, 112.4625,
137.1774

 7.8990, 14.2797,
19.4100


 106.8660,
142.8135, 172.7167

 4.0816, 8.3155,
11.7871

 135.7092,
178.1859, 213.9182

 1.7484, 4.2975,
6.4781

 169.3248,
218.9641, 261.2004

 0.4863, 1.8413,
3.0645

208.0780,

 0.0000, 0.5127,

265.5326, 314.9820

1.1276

252.3343,
318.2756, 375.6814

■ 0.0000, 0.0000,
0.0000

■ 31.9094, 47.6939,
60.3474

■ 31.9094, 47.6939,
60.3474

■ 31.9101, 47.6953,
60.3475

■ 32.3019, 47.8867,
60.8469

■ 33.0109, 48.2415,
61.3627

■ 34.1458, 48.8158,
61.9009

■ 35.7647, 49.6396,
62.4643

■ 37.9165, 50.7381,
63.0553

■ 40.6444, 52.1334,
63.6758

■ 43.9868, 53.8455,
64.3276

■ 47.9791, 55.8926,
65.0123

■ 52.6540, 58.2915,
65.7316

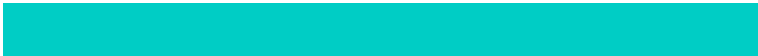
Harmonies

Analogous

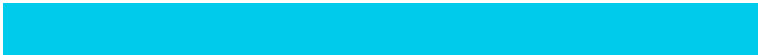
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.3992, 47.6939, 38.6719



31.9094, 47.6939, 60.3474



34.6836, 47.6939, 85.8721

Triad

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



31.9094, 47.6939, 60.3474



56.0030, 47.6939, 92.7872



50.6158, 47.6939, 20.6371

Complementary

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



31.9094, 47.6939, 60.3474



25.2222, 12.9982, 1.4106

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.



57.9624, 47.6939, 28.3693



31.9094, 47.6939, 60.3474



61.3154, 47.6939, 67.9185

Square

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



31.9094, 47.6939, 60.3474



48.1824, 47.6939, 107.9174



62.0716, 47.6939, 44.3351



42.5955, 47.6939, 19.6985

Rectangle

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



31.9094, 47.6939, 60.3474



38.2242, 47.6939, 100.0986



62.0716, 47.6939, 44.3351



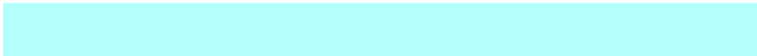
53.2697, 47.6939, 22.3920

Sweetspot

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



31.9108, 47.6957, 60.3485



71.8079, 88.0734, 105.3218



21.9611, 43.7306, 7.2846



14.8462, 18.5830, 22.4444



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.



31.9108, 47.6957, 60.3485



52.2483, 78.1153, 98.7461



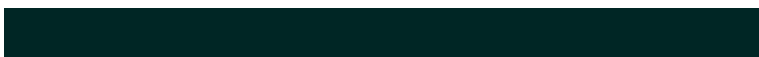
16.9000, 16.1675, 59.9895



11.5236, 12.7192, 14.3148



19.8731, 29.6945, 37.6122



1.0313, 1.5343, 1.9721

Inverse Universe

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



25.2222, 12.9982, 1.4106



41.2945, 21.2818, 2.2172



29.0290, 20.6818, 2.4632



11.2298, 11.2206, 11.7446



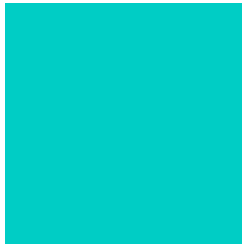
15.7090, 8.0942, 0.9202



0.8168, 0.4201, 0.0809

Previews

White Background



This preview shows how the XYZ color 31.9094, 47.6939, 60.3474 looks on a white background.

Color Contrast Check

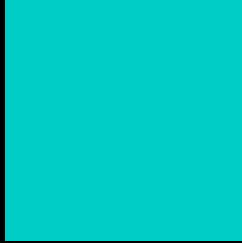
Large Text (above 18pt) WCAG AA × Fail

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 31.9094, 47.6939, 60.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

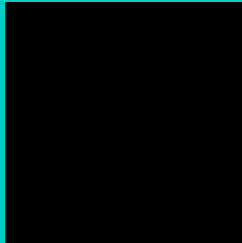
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

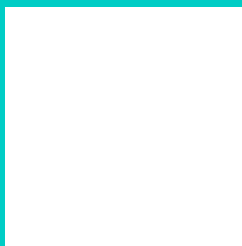
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9094, 47.6939, 60.3474

Background



This preview shows how black text looks on a background with the XYZ color 31.9094, 47.6939, 60.3474.

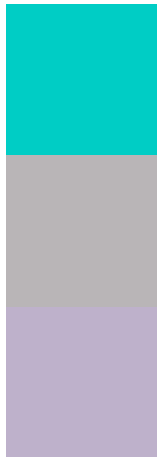


This preview shows how white text looks on a background with the XYZ color 31.9094, 47.6939,

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

31.9094, 47.6939, 60.3474

Protanopia

45.0787, 46.7809, 51.4535

Deuteranopia

47.7368, 46.7032, 62.9985



Tritanopia

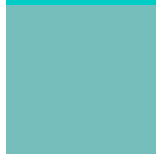
34.8141, 47.8385, 73.7285

Trichromacy



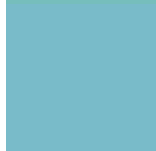
Original Color

31.9094, 47.6939, 60.3474



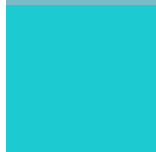
Protanomaly

34.9618, 44.3093, 54.2868



Deuteranomaly

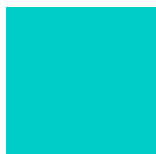
36.1981, 43.8226, 61.8091



Tritanomaly

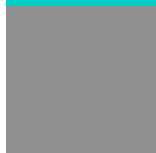
33.4677, 47.6119, 68.3989

Monochromacy



Original Color

31.9094, 47.6939, 60.3474



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.5615, 32.1409, 39.5596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9094, 47.6939, 60.3474 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, 205, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 197)  
}
```

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, 205, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 197) }
```

Border

The CSS property to change the border of an element to XYZ 31.9094, 47.6939, 60.3474 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, 205, 197) }
```


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

```
.border{ border-color:rgb(0, 205, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9094, 47.6939, 60.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 197) }
```

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

```
.background{ background-color: rgb(0, 205,  
197) }
```

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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