

Converting Colors

XYZ(19.2033, 29.6122, 56.9705)

Have a look what the booklet for
XYZ(19.2033, 29.6122, 56.9705)
contains.

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Color

**XYZ(23.9664, 31.9908,
57.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8C4
RGB	0, 168, 196
RGB Percent	0%, 66%, 77%
CMY	0.9999, 0.3412, 0.2314
CMYK	1.00, 0.14, 0.00, 0.23
HSL	189°, 100%, 38%
HSV	189°, 100%, 77%
XYZ	23.9664, 31.9908, 57.1362
YIQ	120.9600, -109.1160, -26.9080

Conversions

Conversions Part 2

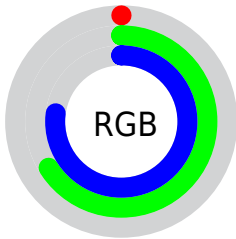
Format	Color
RYB	0, 90, 196
Decimal	43204
CIELab	63.34, -26.08, -24.53
CIELCh	63, 35.805, 223.248
Yxy	31.9908, 0.2119, 0.2829
Android (android.graphics.Color)	4278233284 (0xFF00A8C4)
YUV	120.9600, 36.9947, -106.0819
Hunter-Lab	56.5604, -23.3447, -20.3013

Details

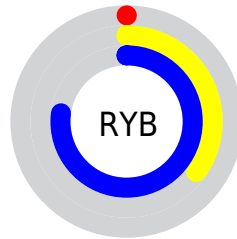
The XYZ color **23.9664, 31.9908, 57.1362** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.1815, 12.5682, 1.2052**, and the grayscale version is **18.0747, 19.0159, 20.7084**.

A 20% lighter version of the original color is **49.3728, 62.5765, 102.4048**, and **11.1279, 14.4438, 27.7926** is the 20% darker color. If you saturate the color by 10%, you get **23.9660, 31.9897, 57.1366**, and if you desaturate by 10%, it is **24.7708, 33.1819, 57.3243**.

Distribution



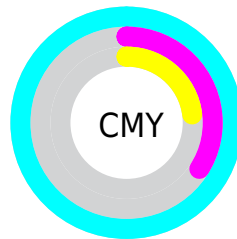
- Red (0%)
- Green (66%)
- Blue (77%)



- Red (0%)
- Yellow (35%)
- Blue (77%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9664, 31.9908, 57.1362 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 23.9664, 31.9908, 57.1362 by changing the saturation by 10% instead.

■ 23.9664, 31.9908,
57.1362

■ 23.9664, 31.9908,
57.1362

265.0942,
311.0773, 431.4675

■ 15.4333, 21.3545,
40.7045

■ 49.4304, 62.7967,
102.1662

■ 9.2123, 13.3834,
27.7703

■ 67.0921, 83.7350,
131.6016

■ 4.9382, 7.6931,
17.9151

■ 88.5273, 108.8761,
166.2086

■ 2.2454, 3.8992,
10.7202

■ 114.1014,
138.6044, 206.4059

■ 0.7665, 1.6173,
5.7672

■ 144.1798,
173.3043, 252.6118

■ 0.0000, 0.3692,
2.6376

179.1278,

■ 0.0000, 0.0000,

213.3601, 305.2451

0.9118

219.3108,
259.1564, 364.7241

■ 0.0000, 0.0000,
0.0000

■ 23.9664, 31.9908,
57.1362

■ 23.9664, 31.9908,
57.1362

■ 23.9660, 31.9897,
57.1366

■ 24.7708, 33.1819,
57.3243

■ 25.8692, 34.5405,
57.5287

■ 27.3626, 36.1196,
57.7548

■ 29.3028, 37.9459,
58.0050

■ 31.7339, 40.0421,
58.2815

■ 34.6943, 42.4281,
58.5860

■ 38.2186, 45.1221,
58.9202

■ 42.3385, 48.1403,
59.2857

■ 47.0833, 51.4980,
59.6837

Harmonies

Analogous

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



22.0247, 31.9908, 41.4845



23.9664, 31.9908, 57.1362



27.7356, 31.9908, 68.1391

Triad

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



23.9664, 31.9908, 57.1362



40.4997, 31.9908, 43.3266



28.2696, 31.9908, 14.4148

Complementary

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



23.9664, 31.9908, 57.1362



23.1815, 12.5682, 1.2052

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.



33.2432, 31.9908, 14.6566



23.9664, 31.9908, 57.1362



40.6829, 31.9908, 28.9326

Square

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



23.9664, 31.9908, 57.1362



37.4310, 31.9908, 58.7972



37.9074, 31.9908, 19.2514



24.3206, 31.9908, 18.4657

Rectangle

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



23.9664, 31.9908, 57.1362



30.9506, 31.9908, 69.9012



37.9074, 31.9908, 19.2514



29.8684, 31.9908, 14.0383

Sweetspot

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



23.9675, 31.9919, 57.1370



68.8968, 81.4877, 106.7052



19.9289, 39.5559, 7.5717



14.1387, 16.9820, 22.7826



0.0000, 0.0000, 0.0000



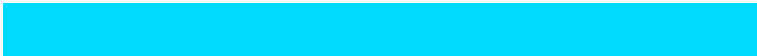
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9675, 31.9919, 57.1370



43.2685, 57.6570, 103.4562



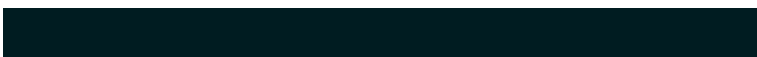
12.2747, 8.6065, 53.2394



10.2419, 11.1752, 12.9020



15.4472, 20.6509, 36.7285



0.7018, 0.9609, 1.5984

Inverse Universe

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



29.8337, 14.5640, 38.2856



53.9691, 26.3517, 68.9608



29.9916, 26.1884, 3.4752



10.4334, 10.2220, 12.3729



19.1930, 9.3670, 24.7262



0.8466, 0.4116, 1.1596

Previews

White Background



This preview shows how the XYZ color 23.9664, 31.9908, 57.1362 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 23.9664, 31.9908, 57.1362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

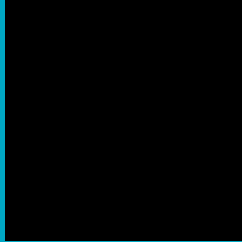
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9664, 31.9908, 57.1362

Background



This preview shows how black text looks on a background with the XYZ color 23.9664, 31.9908, 57.1362.

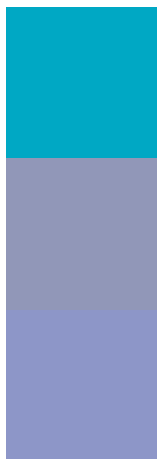


This preview shows how white text looks on a background with the XYZ color 23.9664, 31.9908,

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

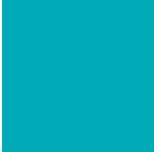
23.9664, 31.9908, 57.1362

Protanopia

31.3954, 31.6137, 49.7947

Deuteranopia

32.3162, 31.6455, 59.0485



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



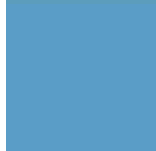
Original Color

23.9664, 31.9908, 57.1362



Protanomaly

25.5477, 30.0201, 52.0249



Deuteranomaly

26.5822, 30.4111, 58.5017



Tritanomaly

23.2651, 32.0068, 52.5287

Monochromacy



Original Color

23.9664, 31.9908, 57.1362



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.4943, 21.8929, 31.3207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9664, 31.9908, 57.1362 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, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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(0, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.9664, 31.9908, 57.1362 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, 168, 196) }
```


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

```
.border{ border-color:rgb(0, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9664, 31.9908, 57.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 196) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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