

Converting Colors

XYZ(18.7340, 28.6448, 55.9182)

Have a look what the booklet for
XYZ(18.7340, 28.6448, 55.9182)
contains.

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Color

**XYZ(23.4865, 31.2126,
56.4165)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6C3
RGB	0, 166, 195
RGB Percent	0%, 65%, 76%
CMY	0.9999, 0.3490, 0.2353
CMYK	1.00, 0.15, 0.00, 0.24
HSL	189°, 100%, 38%
HSV	189°, 100%, 76%
XYZ	23.4865, 31.2126, 56.4165
YIQ	119.6720, -108.2450, -26.1730

Conversions

Conversions Part 2

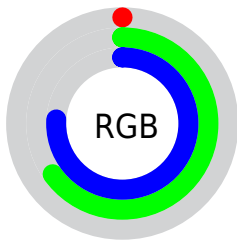
Format	Color
RYB	0, 90, 195
Decimal	42691
CIELab	62.69, -25.41, -24.97
CIELCh	63, 35.624, 224.503
Yxy	31.2126, 0.2114, 0.2809
Android (android.graphics.Color)	4278232771 (0xFF00A6C3)
YUV	119.6720, 37.1367, -104.9523
Hunter-Lab	55.8682, -22.7296, -20.7641

Details

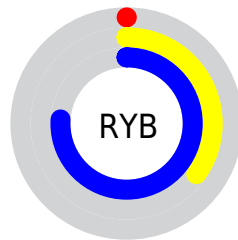
The XYZ color **23.4865, 31.2126, 56.4165** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.9463, 12.4827, 1.2010**, and the grayscale version is **17.6618, 18.5816, 20.2354**.

A 20% lighter version of the original color is **48.5727, 61.3938, 101.3856**, and **10.8250, 13.9577, 27.3229** is the 20% darker color. If you saturate the color by 10%, you get **23.4861, 31.2116, 56.4169**, and if you desaturate by 10%, it is **24.2995, 32.4238, 56.6081**.

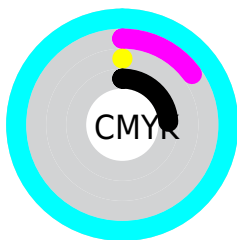
Distribution



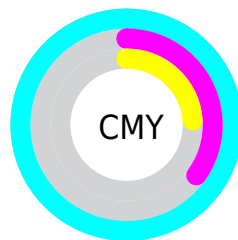
- Red (0%)
- Green (65%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4865, 31.2126, 56.4165 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 23.4865, 31.2126, 56.4165 by changing the saturation by 10% instead.

■ 23.4865, 31.2126,
56.4165

■ 23.4865, 31.2126,
56.4165

262.7029,
307.5166, 428.6916

■ 15.0758, 20.7608,
40.1307

■ 48.6517, 61.5746,
101.1051

■ 8.9593, 12.9493,
27.3259

■ 66.1370, 82.2537,
130.3451

■ 4.7715, 7.3936,
17.5836

■ 87.3778, 107.1105,
164.7402

■ 2.1472, 3.7095,
10.4851

■ 112.7396,
136.5296, 204.7089

■ 0.7147, 1.5124,
5.6120

■ 142.5876,
170.8954, 250.6699

■ 0.0000, 0.2974,
2.5457

177.2873,

■ 0.0000, 0.0000,

210.5922, 303.0417

0.8642

217.2039,
256.0045, 362.2427

■ 0.0000, 0.0000,
0.0000

■ 23.4865, 31.2126,
56.4165

■ 23.4865, 31.2126,
56.4165

■ 23.4861, 31.2116,
56.4169

■ 24.2995, 32.4238,
56.6081

■ 25.4036, 33.8024,
56.8160

■ 26.8990, 35.4005,
57.0456

■ 28.8370, 37.2448,
57.2994

■ 31.2608, 39.3576,
57.5795

■ 34.2085, 41.7588,
57.8876

■ 37.7143, 44.4659,
58.2254

■ 41.8096, 47.4954,
58.5943

■ 46.5232, 50.8621,
58.9957

Harmonies

Analogous

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



21.5056, 31.2126, 41.1401



23.4865, 31.2126, 56.4165



27.2384, 31.2126, 66.8622

Triad

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



23.4865, 31.2126, 56.4165



39.6172, 31.2126, 41.6521



27.3867, 31.2126, 14.0971

Complementary

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



23.4865, 31.2126, 56.4165



22.9463, 12.4827, 1.2010

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.



32.2351, 31.2126, 14.1641



23.4865, 31.2126, 56.4165



39.6682, 31.2126, 27.7121

Square

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



23.4865, 31.2126, 56.4165



36.7132, 31.2126, 56.8785



36.8457, 31.2126, 18.4617



23.5848, 31.2126, 18.2438

Rectangle

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



23.4865, 31.2126, 56.4165



30.4066, 31.2126, 68.2705



36.8457, 31.2126, 18.4617



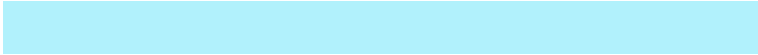
28.9388, 31.2126, 13.6729

Sweetspot

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



23.4875, 31.2137, 56.4173



67.2189, 79.3909, 104.2510



19.7026, 39.1056, 7.4888



14.1061, 16.9167, 22.7717



0.0000, 0.0000, 0.0000



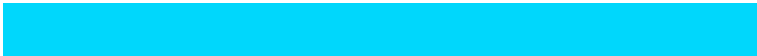
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4875, 31.2137, 56.4173



41.9174, 55.6075, 100.9938



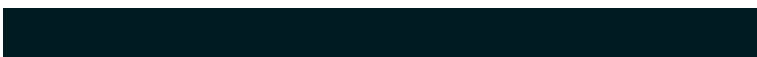
12.1375, 8.5137, 52.6339



10.2368, 11.1649, 12.9003



15.3131, 20.3827, 36.6838



0.6971, 0.9516, 1.5968

Inverse Universe

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



29.3895, 14.3563, 37.2996



52.5611, 25.6808, 66.4101



29.6530, 25.8960, 3.4366



10.4308, 10.2209, 12.3592



19.1253, 9.3399, 24.3698



0.8442, 0.4107, 1.1472

Previews

White Background



This preview shows how the XYZ color 23.4865, 31.2126, 56.4165 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 23.4865, 31.2126, 56.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

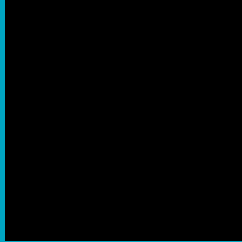
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4865, 31.2126, 56.4165

Background



This preview shows how black text looks on a background with the XYZ color 23.4865, 31.2126, 56.4165.

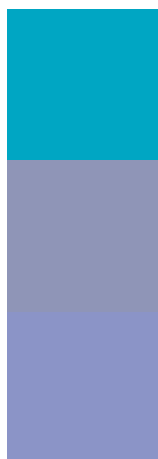


This preview shows how white text looks on a background with the XYZ color 23.4865, 31.2126,

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

23.4865, 31.2126, 56.4165

Protanopia

30.6224, 30.7534, 49.1218

Deuteranopia

31.5462, 30.7923, 58.3137



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

23.4865, 31.2126, 56.4165



Protanomaly

25.0054, 29.2547, 51.3425



Deuteranomaly

25.9389, 29.5946, 57.7713



Tritanomaly

22.6816, 31.1826, 51.2778

Monochromacy



Original Color

23.4865, 31.2126, 56.4165



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.1926, 21.5344, 30.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4865, 31.2126, 56.4165 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, 166, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 195)  
}
```

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, 166, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 195) }
```

Border

The CSS property to change the border of an element to XYZ 23.4865, 31.2126, 56.4165 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, 166, 195) }
```


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

```
.border{ border-color:rgb(0, 166, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4865, 31.2126, 56.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 195) }
```

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

```
.background{ background-color: rgb(0, 166,  
195) }
```

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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