

Converting Colors

XYZ(18.2596, 28.5508, 55.1827)

Have a look what the booklet for
XYZ(18.2596, 28.5508, 55.1827)
contains.

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Color

**XYZ(23.2619, 31.1227,
55.2333)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6C1
RGB	0, 166, 193
RGB Percent	0%, 65%, 76%
CMY	0.9998, 0.3490, 0.2431
CMYK	1.00, 0.14, 0.00, 0.24
HSL	188°, 100%, 38%
HSV	188°, 100%, 76%
XYZ	23.2619, 31.1227, 55.2333
YIQ	119.4440, -107.6030, -26.7950

Conversions

Conversions Part 2

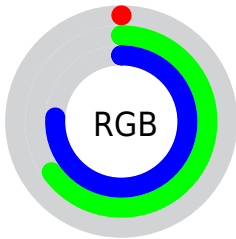
Format	Color
RYB	0, 89, 193
Decimal	42689
CIELab	62.61, -26.08, -23.97
CIElCh	63, 35.425, 222.580
Yxy	31.1227, 0.2122, 0.2839
Android (android.graphics.Color)	4278232769 (0xFF00A6C1)
YUV	119.4440, 36.2631, -104.7524
Hunter-Lab	55.7877, -23.1991, -19.6494

Details

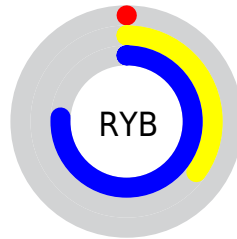
The XYZ color **23.2619, 31.1227, 55.2333** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.3858, 12.1236, 1.1615**, and the grayscale version is **17.5929, 18.5091, 20.1564**.

A 20% lighter version of the original color is **48.2574, 61.2677, 99.7249**, and **10.6775, 13.8987, 26.5461** is the 20% darker color. If you saturate the color by 10%, you get **23.2612, 31.1212, 55.2337**, and if you desaturate by 10%, it is **24.0338, 32.2577, 55.4123**.

Distribution



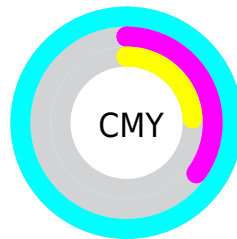
- Red (0%)
- Green (65%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (24%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2619, 31.1227, 55.2333 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 23.2619, 31.1227, 55.2333 by changing the saturation by 10% instead.

■ 23.2619, 31.1227,
55.2333

■ 23.2619, 31.1227,
55.2333

261.5776,
307.1032, 424.1025

■ 14.9088, 20.6923,
39.1887

■ 48.2865, 61.4332,
99.3573

■ 8.8413, 12.8993,
26.5976

■ 65.6887, 82.0821,
128.2737

■ 4.6941, 7.3592,
17.0415

■ 86.8379, 106.9059,
162.3178

■ 2.1018, 3.6878,
10.1018

■ 112.0996,
136.2891, 201.9081

■ 0.6902, 1.5005,
5.3600

■ 141.8391,
170.6160, 247.4632

■ 0.0000, 0.2891,
2.3976

176.4216,

■ 0.0000, 0.0000,

210.2711, 299.4016

0.7851

216.2127,
255.6387, 358.1419

■ 0.0000, 0.0000,
0.0000

■ 23.2619, 31.1227,
55.2333

■ 23.2619, 31.1227,
55.2333

■ 23.2612, 31.1212,
55.2337

■ 24.0338, 32.2577,
55.4123

■ 25.0883, 33.5531,
55.6068

■ 26.5236, 35.0604,
55.8221

■ 28.3897, 36.8053,
56.0605

■ 30.7287, 38.8097,
56.3241

■ 33.5778, 41.0928,
56.6146

■ 36.9702, 43.6718,
56.9336

■ 40.9365, 46.5626,
57.2826

■ 45.5048, 49.7798,
57.6628

Harmonies

Analogous

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



21.4185, 31.1227, 40.0105



23.2619, 31.1227, 55.2333



26.8896, 31.1227, 66.0886

Triad

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



23.2619, 31.1227, 55.2333



39.3462, 31.1227, 42.4808



27.6060, 31.1227, 14.0067

Complementary

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



23.2619, 31.1227, 55.2333



22.3858, 12.1236, 1.1615

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.



32.4466, 31.1227, 14.3314



23.2619, 31.1227, 55.2333



39.5919, 31.1227, 28.4231

Square

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



23.2619, 31.1227, 55.2333



36.3135, 31.1227, 57.4600



36.9523, 31.1227, 18.9005



23.7371, 31.1227, 17.8457

Rectangle

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



23.2619, 31.1227, 55.2333



30.0008, 31.1227, 67.9663



36.9523, 31.1227, 18.9005



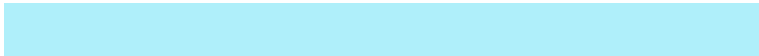
29.1655, 31.1227, 13.6704

Sweetspot

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



23.2629, 31.1238, 55.2341



65.8898, 77.9751, 101.9382



19.2547, 38.2142, 7.3253



13.5600, 16.2954, 21.8159



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.2629, 31.1238, 55.2341



41.5231, 55.4628, 98.8772



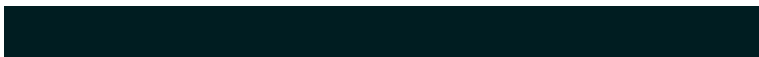
11.8666, 8.3311, 51.4353



10.2445, 11.1804, 12.9029



15.5153, 20.7871, 36.7512



0.7041, 0.9656, 1.5992

Inverse Universe

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



28.8762, 14.0918, 37.2755



51.6457, 25.2084, 66.3888



28.9832, 25.3184, 3.3607



10.4347, 10.2225, 12.3798



19.2274, 9.3807, 24.9071



0.8478, 0.4121, 1.1658

Previews

White Background



This preview shows how the XYZ color 23.2619, 31.1227, 55.2333 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 23.2619, 31.1227, 55.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

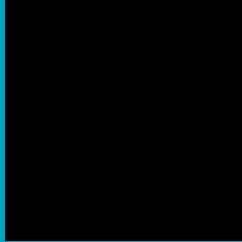
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2619, 31.1227, 55.2333

Background



This preview shows how black text looks on a background with the XYZ color 23.2619, 31.1227, 55.2333.

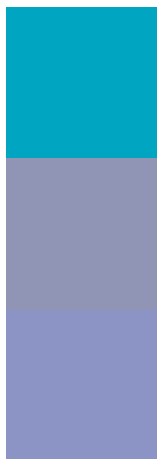


This preview shows how white text looks on a background with the XYZ color 23.2619, 31.1227,

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

23.2619, 31.1227, 55.2333

Protanopia

30.5895, 30.7604, 48.0412

Deuteranopia

31.4832, 30.7865, 57.1064



Tritanopia

22.1592, 30.9736, 48.5267

Trichromacy



Original Color

23.2619, 31.1227, 55.2333

Protanomaly

24.8919, 29.2208, 50.2272

Deuteranomaly

25.8050, 29.5521, 56.5686

Tritanomaly

22.5757, 31.1402, 50.7197

Monochromacy



Original Color

23.2619, 31.1227, 55.2333

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9730, 21.2201, 30.3955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2619, 31.1227, 55.2333 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 193) }
```

Border

The CSS property to change the border of an element to XYZ 23.2619, 31.1227, 55.2333 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, 193) }
```


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

```
.border{ border-color:rgb(0, 166, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2619, 31.1227, 55.2333 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, 193) }
```

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

```
.background{ background-color: rgb(0, 166,  
193) }
```

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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