

Converting Colors

XYZ(19.9635, 28.2232, 57.9180)

Have a look what the booklet for
XYZ(19.9635, 28.2232, 57.9180)
contains.

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Color

**XYZ(23.1134, 29.9179,
57.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2C6
RGB	0, 162, 198
RGB Percent	0%, 64%, 78%
CMY	0.9998, 0.3647, 0.2235
CMYK	1.00, 0.18, 0.00, 0.22
HSL	191°, 100%, 39%
HSV	191°, 100%, 78%
XYZ	23.1134, 29.9179, 57.9826
YIQ	117.6660, -108.1080, -23.1480

Conversions

Conversions Part 2

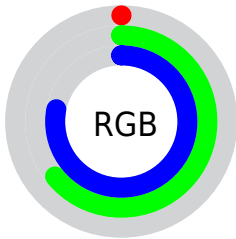
Format	Color
R _{YB}	0, 89, 198
Decimal	41670
CIE Lab	61.58, -22.32, -28.35
CIE LCh	62, 36.079, 231.780
Yxy	29.9179, 0.2082, 0.2695
Android (android.graphics.Color)	4278231750 (0xFF00A2C6)
YUV	117.6660, 39.6047, -103.1931
Hunter-Lab	54.6973, -20.2915, -24.5631

Details

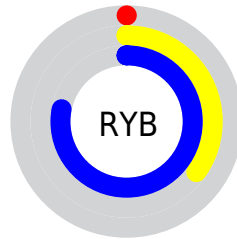
The XYZ color **23.1134, 29.9179, 57.9826** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.9214, 13.2704, 1.3019**, and the grayscale version is **17.0246, 17.9112, 19.5053**.

A 20% lighter version of the original color is **48.1184, 59.5550, 103.5669**, and **10.6100, 13.1655, 28.3675** is the 20% darker color. If you saturate the color by 10%, you get **23.1124, 29.9158, 57.9828**, and if you desaturate by 10%, it is **24.0426, 31.3526, 58.2111**.

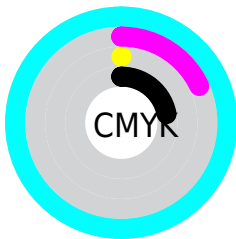
Distribution



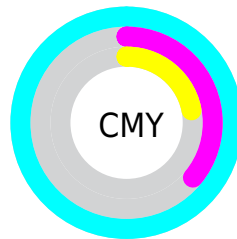
- Red (0%)
- Green (64%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- Blue (78%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1134, 29.9179, 57.9826 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 23.1134, 29.9179, 57.9826 by changing the saturation by 10% instead.

■ 23.1134, 29.9179,
57.9826

■ 23.1134, 29.9179,
57.9826

260.8314,
301.5216, 434.7175

■ 14.7984, 19.7763,
41.3801

■ 48.0447, 59.5323,
103.4120

■ 8.7634, 12.2325,
28.2942

■ 65.3918, 79.7739,
133.0760

■ 4.6431, 6.9022,
18.3066

■ 86.4803, 104.1509,
167.9309

■ 2.0720, 3.4010,
10.9986

■ 111.6756,
133.0478, 208.3952

■ 0.6739, 1.3445,
5.9518

■ 141.3430,
166.8489, 254.8875

■ 0.0000, 0.1753,
2.7474

175.8478,

■ 0.0000, 0.0000,

205.9386, 307.8263

0.9672

215.5555,
250.7014, 367.6301

■ 0.0000, 0.0000,
0.0000

■ 23.1134, 29.9179,
57.9826

■ 23.1134, 29.9179,
57.9826

■ 23.1124, 29.9158,
57.9828

■ 24.0426, 31.3526,
58.2111

■ 25.2804, 32.9730,
58.4587

■ 26.9293, 34.8328,
58.7308

■ 29.0429, 36.9598,
59.0299

■ 31.6661, 39.3773,
59.3583

■ 34.8385, 42.1059,
59.7177

■ 38.5958, 45.1643,
60.1100

■ 42.9704, 48.5694,
60.5367

■ 47.9925, 52.3370,
60.9992

Harmonies

Analogous

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



20.7169, 29.9179, 43.3673



23.1134, 29.9179, 57.9826



27.1403, 29.9179, 66.2480

Triad

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



23.1134, 29.9179, 57.9826



38.5527, 29.9179, 36.4915



25.1559, 29.9179, 13.7170

Complementary

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



23.1134, 29.9179, 57.9826



23.9214, 13.2704, 1.3019

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.



29.7724, 29.9179, 12.8318



23.1134, 29.9179, 57.9826



37.8678, 29.9179, 23.7413

Square

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



23.1134, 29.9179, 57.9826



36.2972, 29.9179, 51.7563



34.5189, 29.9179, 15.9450



21.8007, 29.9179, 18.8375

Rectangle

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



23.1134, 29.9179, 57.9826



30.3567, 29.9179, 65.7926



34.5189, 29.9179, 15.9450



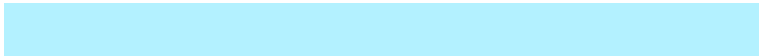
26.5982, 29.9179, 12.9852

Sweetspot

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



23.1144, 29.9189, 57.9833



68.0065, 79.7071, 106.4084



20.4699, 40.4989, 8.1798



13.9235, 16.5514, 22.7108



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.



23.1144, 29.9189, 57.9833



40.7592, 52.6383, 102.6197



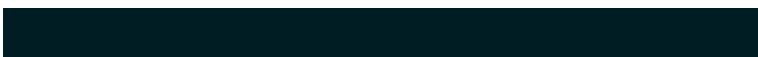
12.1437, 7.9775, 54.3264



10.7764, 11.7268, 13.6130



15.0879, 19.5698, 37.7265



0.7583, 1.0145, 1.8010

Inverse Universe

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



29.8112, 14.6156, 35.4333



52.7025, 25.8450, 62.2909



31.5426, 28.5128, 3.8423



10.9972, 10.7822, 12.9683



19.4150, 9.5156, 23.1931



0.9415, 0.4594, 1.2150

Previews

White Background



This preview shows how the XYZ color 23.1134, 29.9179, 57.9826 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1134, 29.9179, 57.9826 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 × Fail

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

XYZ 23.1134, 29.9179, 57.9826

Background



This preview shows how black text looks on a background with the XYZ color 23.1134, 29.9179, 57.9826.

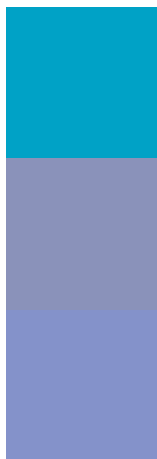


This preview shows how white text looks on a background with the XYZ color 23.1134, 29.9179,

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

23.1134, 29.9179, 57.9826

Protanopia

29.6230, 29.5062, 50.5883

Deuteranopia

30.4553, 29.7276, 60.0099



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

23.1134, 29.9179, 57.9826



Protanomaly

24.5470, 28.2489, 52.8740



Deuteranomaly

25.4270, 28.5583, 59.4305



Tritanomaly

21.8541, 29.6972, 50.4792

Monochromacy



Original Color

23.1134, 29.9179, 57.9826



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.6932, 20.6526, 30.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1134, 29.9179, 57.9826 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, 162, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 198)  
}
```

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, 162, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 198) }
```

Border

The CSS property to change the border of an element to XYZ 23.1134, 29.9179, 57.9826 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, 162, 198) }
```


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

```
.border{ border-color:rgb(0, 162, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1134, 29.9179, 57.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 198) }
```

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

```
.background{ background-color: rgb(0, 162,  
198) }
```

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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