

Converting Colors

XYZ(23.4276, 30.3798, 58.6011)

Have a look what the booklet for
XYZ(23.4276, 30.3798, 58.6011)
contains.

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Color

**XYZ(23.4060, 30.3179,
58.6511)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3C7
RGB	0, 163, 199
RGB Percent	0%, 64%, 78%
CMY	0.9998, 0.3608, 0.2196
CMYK	1.00, 0.18, 0.00, 0.22
HSL	191°, 100%, 39%
HSV	191°, 100%, 78%
XYZ	23.4060, 30.3179, 58.6511
YIQ	118.3670, -108.7040, -23.3600

Conversions

Conversions Part 2

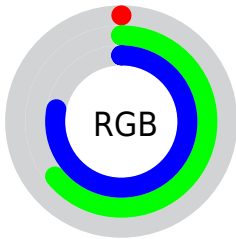
Format	Color
RYB	0, 90, 199
Decimal	41927
CIELab	61.93, -22.49, -28.37
CIELCh	62, 36.208, 231.592
Yxy	30.3179, 0.2083, 0.2698
Android (android.graphics.Color)	4278232007 (0xFF00A3C7)
YUV	118.3670, 39.7521, -103.8079
Hunter-Lab	55.0617, -20.4800, -24.6119

Details

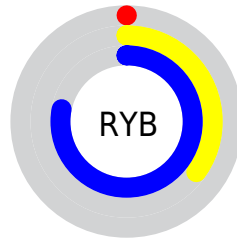
The XYZ color **23.4060, 30.3179, 58.6511** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.1859, 13.4068, 1.3143**, and the grayscale version is **17.2431, 18.1411, 19.7556**.

A 20% lighter version of the original color is **48.3769, 60.0721, 103.6531**, and **10.7953, 13.4132, 28.8081** is the 20% darker color. If you saturate the color by 10%, you get **23.4050, 30.3158, 58.6513**, and if you desaturate by 10%, it is **24.3423, 31.7638, 58.8814**.

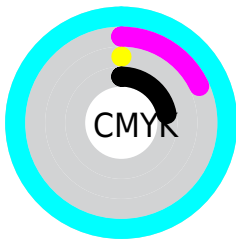
Distribution



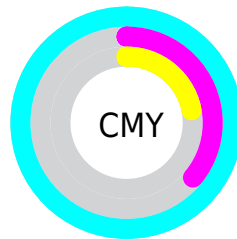
- Red (0%)
- Green (64%)
- Blue (78%)



- 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 23.4060, 30.3179, 58.6511 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 23.4060, 30.3179, 58.6511 by changing the saturation by 10% instead.

■ 23.4060, 30.3179,
58.6511

■ 23.4060, 30.3179,
58.6511

262.3001,
303.3835, 437.2735

■ 15.0159, 20.0800,
41.9142

■ 48.5209, 60.1646,
104.3945

■ 8.9170, 12.4532,
28.7090

■ 65.9764, 80.5421,
134.2381

■ 4.7437, 7.0531,
18.6171

■ 87.1845, 105.0683,
169.2876

■ 2.1309, 3.4953,
11.2199

■ 112.5104,
134.1276, 209.9617

■ 0.7059, 1.3955,
6.0989

■ 142.3196,
168.1044, 256.6787

■ 0.0000, 0.2134,
2.8356

176.9773,

■ 0.0000, 0.0000,

207.3830, 309.8574

1.0113

216.8490,
252.3479, 369.9161

■ 0.0000, 0.0000,
0.0000

■ 23.4060, 30.3179,
58.6511

■ 23.4060, 30.3179,
58.6511

■ 23.4050, 30.3158,
58.6513

■ 24.3423, 31.7638,
58.8814

■ 25.5909, 33.3974,
59.1309

■ 27.2553, 35.2728,
59.4052

■ 29.3895, 37.4181,
59.7068

■ 32.0393, 39.8571,
60.0379

■ 35.2447, 42.6105,
60.4005

■ 39.0417, 45.6973,
60.7961

■ 43.4632, 49.1345,
61.2265

■ 48.5398, 52.9381,
61.6932

Harmonies

Analogous

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



20.9909, 30.3179, 43.8383



23.4060, 30.3179, 58.6511



27.4750, 30.3179, 67.0760

Triad

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



23.4060, 30.3179, 58.6511



39.0528, 30.3179, 37.0691



25.5212, 30.3179, 13.8945

Complementary

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



23.4060, 30.3179, 58.6511



24.1859, 13.4068, 1.3143

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.



30.2004, 30.3179, 13.0227



23.4060, 30.3179, 58.6511



38.3785, 30.3179, 24.1317

Square

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



23.4060, 30.3179, 58.6511



36.7526, 30.3179, 52.5219



35.0019, 30.3179, 16.2034



22.1135, 30.3179, 19.0519

Rectangle

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



23.4060, 30.3179, 58.6511



30.7296, 30.3179, 66.6637



35.0019, 30.3179, 16.2034



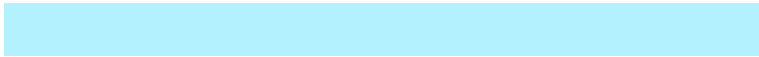
26.9840, 30.3179, 13.1617

Sweetspot

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



23.4070, 30.3190, 58.6519



68.0272, 79.7485, 106.4153



20.7016, 40.9585, 8.2686



13.9285, 16.5614, 22.7125



0.0000, 0.0000, 0.0000



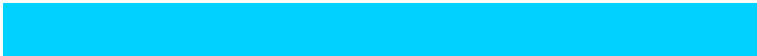
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4070, 30.3190, 58.6519



40.8163, 52.7525, 102.6388



12.2790, 8.0629, 54.9425



10.7772, 11.7285, 13.6133



15.1085, 19.6108, 37.7333



0.7592, 1.0161, 1.8013

Inverse Universe

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



30.1650, 14.7876, 35.9157



52.7314, 25.8565, 62.4427



31.8978, 28.8305, 3.8850



10.9976, 10.7824, 12.9705



19.4254, 9.5197, 23.2477



0.9419, 0.4596, 1.2171

Previews

White Background



This preview shows how the XYZ color 23.4060, 30.3179, 58.6511 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 23.4060, 30.3179, 58.6511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

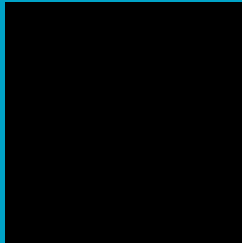
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4060, 30.3179, 58.6511

Background



This preview shows how black text looks on a background with the XYZ color 23.4060, 30.3179, 58.6511.

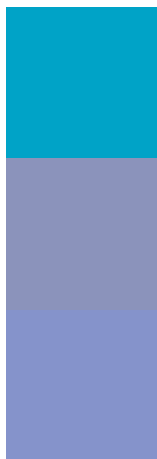


This preview shows how white text looks on a background with the XYZ color 23.4060, 30.3179,

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

23.4060, 30.3179, 58.6511

Protanopia

30.0508, 29.9443, 51.2097

Deuteranopia

30.8861, 30.1658, 60.6946



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

23.4060, 30.3179, 58.6511

Protanomaly

24.8197, 28.6188, 53.5061

Deuteranomaly

25.7982, 28.9780, 60.1107

Tritanomaly

22.1384, 30.0961, 51.0967

Monochromacy



Original Color

23.4060, 30.3179, 58.6511

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 23.4060, 30.3179, 58.6511 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, 163, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 199)  
}
```

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, 163, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.4060, 30.3179, 58.6511 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, 163, 199) }
```


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

```
.border{ border-color:rgb(0, 163, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4060, 30.3179, 58.6511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 199) }
```

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

```
.background{ background-color: rgb(0, 163,  
199) }
```

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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