

Converting Colors

XYZ(16.0242, 26.3215, 59.9416)

Have a look what the booklet for
XYZ(16.0242, 26.3215, 59.9416)
contains.

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Color

**XYZ(23.5810, 30.1049,
60.4451)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2CA
RGB	0, 162, 202
RGB Percent	0%, 64%, 79%
CMY	0.9998, 0.3647, 0.2078
CMYK	1.00, 0.20, 0.00, 0.21
HSL	192°, 100%, 40%
HSV	192°, 100%, 79%
XYZ	23.5810, 30.1049, 60.4451
YIQ	118.1220, -109.3920, -21.9040

Conversions

Conversions Part 2

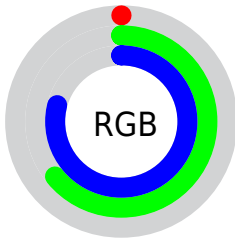
Format	Color
RYB	0, 90, 202
Decimal	41674
CIELab	61.74, -20.93, -30.33
CIELCh	62, 36.849, 235.396
Yxy	30.1049, 0.2066, 0.2638
Android (android.graphics.Color)	4278231754 (0xFF00A2CA)
YUV	118.1220, 41.3519, -103.5930
Hunter-Lab	54.8679, -19.3036, -26.9091

Details

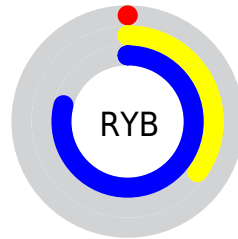
The XYZ color **23.5810, 30.1049, 60.4451** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.1180, 14.0775, 1.3947**, and the grayscale version is **17.1619, 18.0556, 19.6626**.

A 20% lighter version of the original color is **48.1184, 59.5550, 103.5669**, and **10.9212, 13.2900, 30.0066** is the 20% darker color. If you saturate the color by 10%, you get **23.5798, 30.1024, 60.4453**, and if you desaturate by 10%, it is **24.5910, 31.6891, 60.6982**.

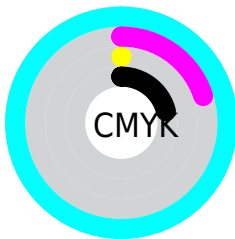
Distribution



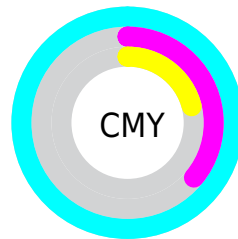
- Red (0%)
- Green (64%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (36%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5810, 30.1049, 60.4451 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 23.5810, 30.1049, 60.4451 by changing the saturation by 10% instead.

■ 23.5810, 30.1049,
60.4451

■ 23.5810, 30.1049,
60.4451

263.1752,
302.3931, 444.0866

■ 15.1461, 19.9182,
43.3499

■ 48.8053, 59.8280,
107.0248

■ 9.0090, 12.3356,
29.8263

■ 66.3254, 80.1333,
137.3462

■ 4.8042, 6.9727,
19.4558

■ 87.6046, 104.5802,
172.9136

■ 2.1664, 3.4450,
11.8200

■ 113.0083,
133.5531, 214.1453

■ 0.7249, 1.3682,
6.5002

■ 142.9019,
167.4365, 261.4599

■ 0.0000, 0.1931,
3.0779

177.6507,

■ 0.0000, 0.0000,

206.6147, 315.2759

1.1345

217.6200,
251.4721, 376.0120

■ 0.0000, 0.0000,
0.0000

■ 23.5810, 30.1049,
60.4451

■ 23.5810, 30.1049,
60.4451

■ 23.5798, 30.1024,
60.4453

■ 24.5910, 31.6891,
60.6982

■ 25.9287, 33.4752,
60.9725

■ 27.7005, 35.5190,
61.2736

■ 29.9624, 37.8497,
61.6043

■ 32.7621, 40.4921,
61.9667

■ 36.1410, 43.4678,
62.3630

■ 40.1366, 46.7966,
62.7949

■ 44.7832, 50.4962,
63.2641

■ 50.1124, 54.5833,
63.7721

Harmonies

Analogous

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



20.9056, 30.1049, 45.7938



23.5810, 30.1049, 60.4451



27.8628, 30.1049, 67.7838

Triad

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



23.5810, 30.1049, 60.4451



39.0917, 30.1049, 34.9972



24.7534, 30.1049, 13.9207

Complementary

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



23.5810, 30.1049, 60.4451



25.1180, 14.0775, 1.3947

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.



29.3782, 30.1049, 12.5421



23.5810, 30.1049, 60.4451



38.0161, 30.1049, 22.4983

Square

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



23.5810, 30.1049, 60.4451



37.1078, 30.1049, 50.6530



34.3161, 30.1049, 15.1830



21.5263, 30.1049, 19.6988

Rectangle

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



23.5810, 30.1049, 60.4451



31.1937, 30.1049, 66.3607



34.3161, 30.1049, 15.1830



26.1802, 30.1049, 13.0133

Sweetspot

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



23.5820, 30.1059, 60.4459



67.6405, 78.9752, 106.2864



21.4564, 42.3758, 8.8046



13.8351, 16.3748, 22.6814



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.



23.5820, 30.1059, 60.4459



39.7606, 50.6413, 102.2869



12.4947, 7.9313, 56.7501



11.3472, 12.3348, 14.3532



15.2368, 19.4976, 38.9166



0.8354, 1.1046, 2.0241

Inverse Universe

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



30.8796, 15.1664, 35.4832



52.1985, 25.6434, 59.6369



33.4531, 30.7477, 4.1731



11.5886, 11.3642, 13.6342



19.9017, 9.7713, 22.9990



1.0516, 0.5141, 1.3177

Previews

White Background



This preview shows how the XYZ color 23.5810, 30.1049, 60.4451 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 23.5810, 30.1049, 60.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

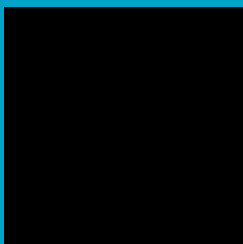
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

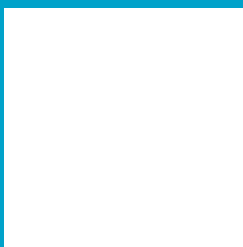
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5810, 30.1049, 60.4451

Background



This preview shows how black text looks on a background with the XYZ color 23.5810, 30.1049, 60.4451.

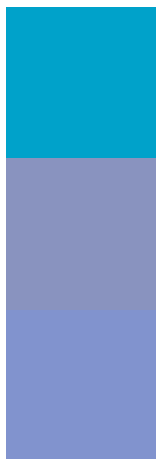


This preview shows how white text looks on a background with the XYZ color 23.5810, 30.1049,

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

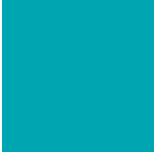
23.5810, 30.1049, 60.4451

Protanopia

30.1542, 29.9474, 53.4813

Deuteranopia

30.6276, 29.9908, 62.5671



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

23.5810, 30.1049, 60.4451

Protanomaly

25.0090, 28.4228, 55.7978

Deuteranomaly

25.7274, 28.6581, 61.9332

Tritanomaly

22.2451, 30.1388, 51.6586

Monochromacy



Original Color

23.5810, 30.1049, 60.4451

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8516, 20.7160, 31.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5810, 30.1049, 60.4451 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 202) }
```

Border

The CSS property to change the border of an element to XYZ 23.5810, 30.1049, 60.4451 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, 202) }
```


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

```
.border{ border-color:rgb(0, 162, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5810, 30.1049, 60.4451 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, 202) }
```

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

```
.background{ background-color: rgb(0, 162,  
202) }
```

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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