

Converting Colors

XYZ(15.7110, 25.6839, 60.2342)

Have a look what the booklet for
XYZ(15.7110, 25.6839, 60.2342)
contains.

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Color

**XYZ(23.4055, 29.7540,
60.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1CA
RGB	0, 161, 202
RGB Percent	0%, 63%, 79%
CMY	0.9998, 0.3686, 0.2078
CMYK	1.00, 0.20, 0.00, 0.21
HSL	192°, 100%, 40%
HSV	192°, 100%, 79%
XYZ	23.4055, 29.7540, 60.3866
YIQ	117.5350, -109.1170, -21.3810

Conversions

Conversions Part 2

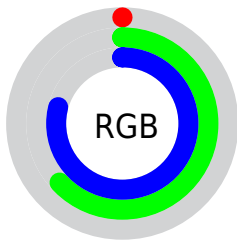
Format	Color
R_{YB}	0, 90, 202
Decimal	41418
CIE _{Lab}	61.44, -20.40, -30.80
CIE _{LCh}	61, 36.944, 236.481
Yxy	29.7540, 0.2061, 0.2620
Android (android.graphics.Color)	4278231498 (0xFF00A1CA)
YUV	117.5350, 41.6412, -103.0782
Hunter-Lab	54.5472, -18.8656, -27.4540

Details

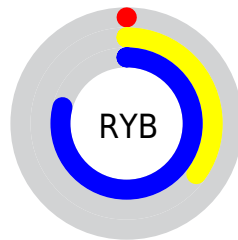
The XYZ color **23.4055, 29.7540, 60.3866** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.1519, 14.1454, 1.4059**, and the grayscale version is **16.9777, 17.8618, 19.4515**.

A 20% lighter version of the original color is **47.8614, 59.0411, 103.4812**, and **10.8139, 13.0754, 29.9708** is the 20% darker color. If you saturate the color by 10%, you get **23.4045, 29.7518, 60.3868**, and if you desaturate by 10%, it is **24.4279, 31.3629, 60.6439**.

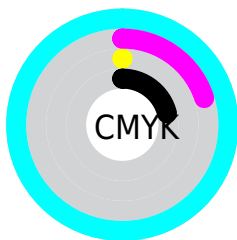
Distribution



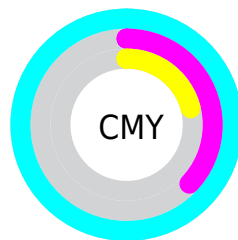
- Red (0%)
- Green (63%)
- Blue (79%)



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



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



- Cyan (100%)
- Magenta (37%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4055, 29.7540, 60.3866 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 23.4055, 29.7540, 60.3866 by changing the saturation by 10% instead.

■ 23.4055, 29.7540,
60.3866

■ 23.4055, 29.7540,
60.3866

262.2976,
300.7561, 443.8654

■ 15.0156, 19.6519,
43.3030

■ 48.5201, 59.2729,
106.9391

■ 8.9167, 12.1423,
29.7898

■ 65.9754, 79.4586,
137.2451

■ 4.7436, 6.8407,
19.4284

■ 87.1833, 103.7742,
172.7957

■ 2.1308, 3.3627,
11.8003

■ 112.5090,
132.6043, 214.0093

■ 0.7059, 1.3239,
6.4869

■ 142.3179,
166.3331, 261.3045

■ 0.0000, 0.1596,
3.0698

176.9754,

■ 0.0000, 0.0000,

205.3450, 315.1000

1.1304

216.8468,
250.0246, 375.8141

■ 0.0000, 0.0000,
0.0000

■ 23.4055, 29.7540,
60.3866

■ 23.4055, 29.7540,
60.3866

■ 23.4045, 29.7518,
60.3868

■ 24.4279, 31.3629,
60.6439

■ 25.7790, 33.1760,
60.9226

■ 27.5652, 35.2490,
61.2286

■ 29.8428, 37.6112,
61.5645

■ 32.6592, 40.2872,
61.9326

■ 36.0560, 43.2990,
62.3349

■ 40.0707, 46.6660,
62.7732

■ 44.7375, 50.4064,
63.2492

■ 50.0881, 54.5366,
63.7644

Harmonies

Analogous

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



20.6806, 29.7540, 45.9286



23.4055, 29.7540, 60.3866



27.7079, 29.7540, 67.3336

Triad

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



23.4055, 29.7540, 60.3866



38.7260, 29.7540, 34.0758



24.2965, 29.7540, 13.7957

Complementary

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



23.4055, 29.7540, 60.3866



25.1519, 14.1454, 1.4059

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.



28.8605, 29.7540, 12.2861



23.4055, 29.7540, 60.3866



37.5452, 29.7540, 21.8244

Square

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



23.4055, 29.7540, 60.3866



36.8533, 29.7540, 49.6317



33.7889, 29.7540, 14.7512



21.1520, 29.7540, 19.7004

Rectangle

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



23.4055, 29.7540, 60.3866



31.0287, 29.7540, 65.6313



33.7889, 29.7540, 14.7512



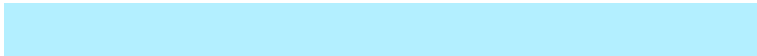
25.6991, 29.7540, 12.8467

Sweetspot

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



23.4065, 29.7550, 60.3873



67.5293, 78.7528, 106.2494



21.5117, 42.3979, 9.0962



13.8083, 16.3211, 22.6725



0.0000, 0.0000, 0.0000



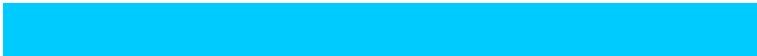
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4065, 29.7550, 60.3873



39.4611, 50.0423, 102.1870



12.3103, 7.5626, 56.6886



11.3423, 12.3251, 14.3516



15.1251, 19.2742, 38.8794



0.8305, 1.0948, 2.0225

Inverse Universe

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



30.7910, 15.1309, 35.0168



52.0474, 25.5829, 58.8408



33.9435, 31.7286, 4.3364



11.5862, 11.3632, 13.6213



19.8454, 9.7487, 22.7021



1.0492, 0.5131, 1.3048

Previews

White Background



This preview shows how the XYZ color 23.4055, 29.7540, 60.3866 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 23.4055, 29.7540, 60.3866 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 23.4055, 29.7540, 60.3866

Background



This preview shows how black text looks on a background with the XYZ color 23.4055, 29.7540, 60.3866.

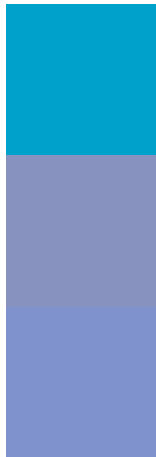


This preview shows how white text looks on a background with the XYZ color 23.4055, 29.7540,

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

23.4055, 29.7540, 60.3866

Protanopia

29.8362, 29.5536, 53.4221

Deuteranopia

30.3215, 29.6032, 62.5084



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

23.4055, 29.7540, 60.3866



Protanomaly

24.8474, 28.0996, 55.7439



Deuteranomaly

25.4794, 28.2903, 61.8753



Tritanomaly

21.9601, 29.7396, 51.0373

Monochromacy



Original Color

23.4055, 29.7540, 60.3866



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 23.4055, 29.7540, 60.3866 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, 161, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 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, 161, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 202) }
```

Border

The CSS property to change the border of an element to XYZ 23.4055, 29.7540, 60.3866 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, 161, 202) }
```


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

```
.border{ border-color:rgb(0, 161, 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, 161, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 161, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 161, 202); box-shadow:4px 4px 4px 4px rgb(0, 161, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4055, 29.7540, 60.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 202) }
```

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

```
.background{ background-color: rgb(0, 161,  
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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