

# Converting Colors

XYZ(23.3055, 30.8504, 56.3562)

Have a look what the booklet for  
XYZ(23.3055, 30.8504, 56.3562)  
contains.

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# Color

**XYZ(23.3055, 30.8504,  
56.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A5C3
RGB	0, 165, 195
RGB Percent	0%, 65%, 76%
CMY	0.9998, 0.3529, 0.2353
CMYK	1.00, 0.15, 0.00, 0.24
HSL	189°, 100%, 38%
HSV	189°, 100%, 76%
XYZ	23.3055, 30.8504, 56.3562
YIQ	119.0850, -107.9700, -25.6500

# Conversions

## Conversions Part 2

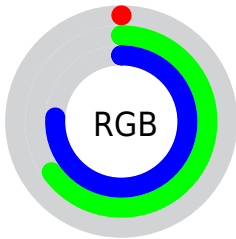
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 89, 195
Decimal	42435
CIELab	62.38, -24.90, -25.44
CIELCh	62, 35.597, 225.616
Yxy	30.8504, 0.2109, 0.2792
Android (android.graphics.Color)	4278232515 (0xFF00A5C3)
YUV	119.0850, 37.4261, -104.4375
Hunter-Lab	55.5431, -22.3032, -21.2777

# Details

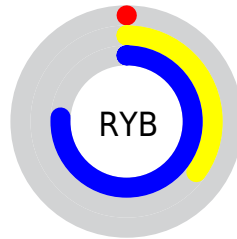
The XYZ color **23.3055, 30.8504, 56.3562** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.9716, 12.5331, 1.2097**, and the grayscale version is **17.4758, 18.3859, 20.0223**.

A 20% lighter version of the original color is **48.3095, 60.8673, 101.2979**, and **10.7128, 13.7333, 27.2855** is the 20% darker color. If you saturate the color by 10%, you get **23.3047, 30.8487, 56.3565**, and if you desaturate by 10%, it is **24.1329, 32.0904, 56.5525**.

# Distribution



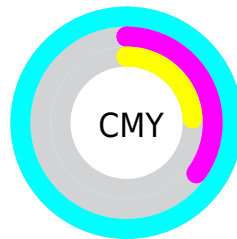
- Red (0%)
- Green (65%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3055, 30.8504, 56.3562 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 23.3055, 30.8504, 56.3562 by changing the saturation by 10% instead.



■ 23.3055, 30.8504,  
56.3562

■ 23.3055, 30.8504,  
56.3562

261.7964,  
305.8485, 428.4585

■ 14.9412, 20.4850,  
40.0827

■ 48.3574, 61.0045,  
101.0162

■ 8.8642, 12.7481,  
27.2887

■ 65.7758, 81.5619,  
130.2397

■ 4.7091, 7.2553,  
17.5558

■ 86.9428, 106.2854,  
164.6170

■ 2.1106, 3.6223,  
10.4654

■ 112.2240,  
135.5594, 204.5665

■ 0.6950, 1.4646,  
5.5990

■ 141.9845,  
169.7684, 250.5069

■ 0.0000, 0.2636,  
2.5380

176.5899,

■ 0.0000, 0.0000,

209.2966, 302.8567

0.8602

216.4054,  
254.5285, 362.0344

■ 0.0000, 0.0000,  
0.0000

■ 23.3055, 30.8504,  
56.3562

■ 23.3055, 30.8504,  
56.3562

■ 23.3047, 30.8487,  
56.3565

■ 24.1329, 32.0904,  
56.5525

■ 25.2524, 33.4995,  
56.7655

■ 26.7641, 35.1298,  
57.0005

■ 28.7191, 37.0078,  
57.2600

■ 31.1608, 39.1562,  
57.5460

■ 34.1274, 41.5946,  
57.8603

■ 37.6529, 44.3407,  
58.2045

■ 41.7687, 47.4108,  
58.5802

■ 46.5037, 50.8200,  
58.9886

# Harmonies

## Analogous

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



21.2712, 30.8504, 41.2548



23.3055, 30.8504, 56.3562



27.0797, 30.8504, 66.4211

# Triad

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



23.3055, 30.8504, 56.3562



39.2477, 30.8504, 40.6258



26.8975, 30.8504, 13.9634

# Complementary

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



23.3055, 30.8504, 56.3562



22.9716, 12.5331, 1.2097

# 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.



31.6856, 30.8504, 13.8813



23.3055, 30.8504, 56.3562



39.1851, 30.8504, 26.9401

# Square

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



23.3055, 30.8504, 56.3562



36.4575, 30.8504, 55.7883



36.2948, 30.8504, 17.9677



23.1848, 30.8504, 18.2349



# Rectangle

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



23.3055, 30.8504, 56.3562



30.2388, 30.8504, 67.5375



36.2948, 30.8504, 17.9677



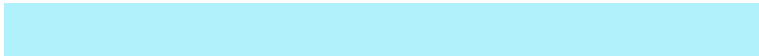
28.4247, 30.8504, 13.4940

# Sweetspot

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



23.3065, 30.8515, 56.3570



67.1037, 79.1605, 104.2126



19.7413, 39.1211, 7.6919



14.0776, 16.8597, 22.7622



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

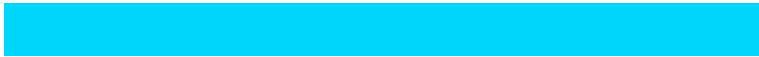


# Same Dimension

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



23.3065, 30.8515, 56.3570



41.5886, 54.9498, 100.8842



11.9351, 8.1086, 52.5665



10.2323, 11.1559, 12.8988



15.1965, 20.1494, 36.6449



0.6930, 0.9435, 1.5955



# Inverse Universe

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



29.2982, 14.3199, 36.8181



52.3951, 25.6144, 65.5361



30.0655, 26.7208, 3.5743



10.4285, 10.2200, 12.3472



19.0664, 9.3163, 24.0597



0.8422, 0.4099, 1.1364



# Previews

## White Background



This preview shows how the XYZ color 23.3055, 30.8504, 56.3562 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 23.3055, 30.8504, 56.3562 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

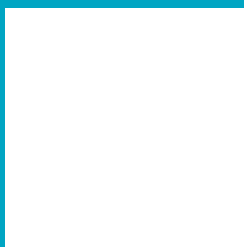
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 23.3055, 30.8504, 56.3562**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.3055, 30.8504, 56.3562.



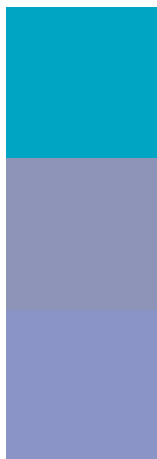
This preview shows how white text looks on a background with the XYZ color 23.3055, 30.8504,



# 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

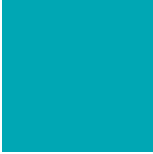
23.3055, 30.8504, 56.3562

### Protanopia

30.2925, 30.3495, 49.0612

### Deuteranopia

31.3799, 30.7066, 58.3059



## **Tritanopia**

22.0569, 30.9327, 47.9881

# Trichromacy



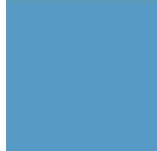
## Original Color

23.3055, 30.8504, 56.3562



## Protanomaly

24.7417, 28.8727, 51.2827



## Deuteranomaly

25.7731, 29.2631, 57.7160



## Tritanomaly

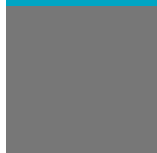
22.3932, 30.7752, 50.6589

# Monochromacy



## Original Color

23.3055, 30.8504, 56.3562



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

17.0511, 21.2514, 30.8070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.3055, 30.8504, 56.3562 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, 165, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 195)  
}
```

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, 165, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 23.3055, 30.8504, 56.3562 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, 165, 195) }
```



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

```
.border{ border-color:rgb(0, 165, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.3055, 30.8504, 56.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 195) }
```

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

```
.background{ background-color: rgb(0, 165,  
195) }
```

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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