

Converting Colors

XYZ(7.9493, 22.5371, 56.3632)

Have a look what the booklet for
XYZ(7.9493, 22.5371, 56.3632)
contains.

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Color

**XYZ(23.2393, 30.5364,
56.8938)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4C4
RGB	0, 164, 196
RGB Percent	0%, 64%, 77%
CMY	0.9998, 0.3569, 0.2314
CMYK	1.00, 0.16, 0.00, 0.23
HSL	190°, 100%, 38%
HSV	190°, 100%, 77%
XYZ	23.2393, 30.5364, 56.8938
YIQ	118.6120, -108.0160, -24.8160

Conversions

Conversions Part 2

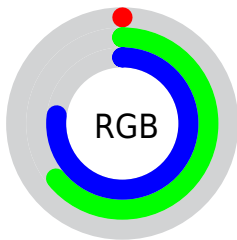
Format	Color
RYB	0, 89, 196
Decimal	42180
CIELab	62.11, -24.04, -26.41
CIELCh	62, 35.715, 227.682
Yxy	30.5364, 0.2100, 0.2759
Android (android.graphics.Color)	4278232260 (0xFF00A4C4)
YUV	118.6120, 38.1523, -104.0227
Hunter-Lab	55.2598, -21.6370, -22.3614

Details

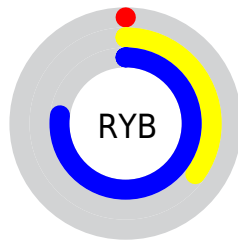
The XYZ color **23.2393, 30.5364, 56.8938** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.2833, 12.7716, 1.2394**, and the grayscale version is **17.3250, 18.2272, 19.8494**.

A 20% lighter version of the original color is **48.2067, 60.4075, 102.0476**, and **10.6767, 13.5413, 27.6422** is the 20% darker color. If you saturate the color by 10%, you get **23.2383, 30.5343, 56.8941**, and if you desaturate by 10%, it is **24.1012, 31.8424, 57.1011**.

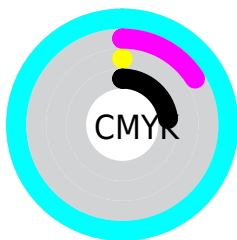
Distribution



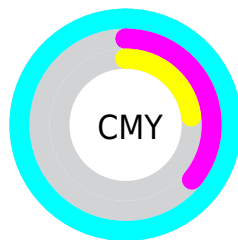
- Red (0%)
- Green (64%)
- Blue (77%)



- Red (0%)
- Yellow (35%)
- Blue (77%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (36%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2393, 30.5364, 56.8938 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 23.2393, 30.5364, 56.8938 by changing the saturation by 10% instead.

■ 23.2393, 30.5364,
56.8938

■ 23.2393, 30.5364,
56.8938

261.4642,
304.3968, 430.5338

■ 14.8920, 20.2461,
40.5112

■ 48.2497, 60.5094,
101.8090

■ 8.8294, 12.5741,
27.6205

■ 65.6435, 80.9609,
131.1787

■ 4.6863, 7.1359,
17.8033

■ 86.7836, 105.5683,
165.7145

■ 2.0973, 3.5472,
10.6408

■ 112.0351,
134.7159, 205.8349

■ 0.6877, 1.4237,
5.7148

■ 141.7636,
168.7882, 251.9585

■ 0.0000, 0.2341,
2.6065

176.3344,

■ 0.0000, 0.0000,

208.1695, 304.5038

0.8958

216.1128,
253.2442, 363.8894

■ 0.0000, 0.0000,
0.0000

■ 23.2393, 30.5364,
56.8938

■ 23.2393, 30.5364,
56.8938

■ 23.2383, 30.5343,
56.8941

■ 24.1012, 31.8424,
57.1011

■ 25.2605, 33.3227,
57.3257

■ 26.8183, 35.0301,
57.5731

■ 28.8263, 36.9915,
57.8459

■ 31.3286, 39.2297,
58.1460

■ 34.3636, 41.7647,
58.4754

■ 37.9661, 44.6145,
58.8356

■ 42.1677, 47.7956,
59.2281

■ 46.9978, 51.3233,
59.6545

Harmonies

Analogous

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



21.0835, 30.5364, 41.9479



23.2393, 30.5364, 56.8938



27.0978, 30.5364, 66.3652

Triad

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



23.2393, 30.5364, 56.8938



39.0149, 30.5364, 39.2171



26.3080, 30.5364, 13.8783

Complementary

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



23.2393, 30.5364, 56.8938



23.2833, 12.7716, 1.2394

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.



31.0392, 30.5364, 13.5235



23.2393, 30.5364, 56.8938



38.7430, 30.5364, 25.8443

Square

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



23.2393, 30.5364, 56.8938



36.4030, 30.5364, 54.4258



35.6967, 30.5364, 17.2746



22.7162, 30.5364, 18.4309

Rectangle

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



23.2393, 30.5364, 56.8938



30.2762, 30.5364, 66.9559



35.6967, 30.5364, 17.2746



27.8067, 30.5364, 13.3205

Sweetspot

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



23.2403, 30.5375, 56.8946



68.4284, 80.5510, 106.5491



19.9680, 39.5715, 7.7769



14.0254, 16.7554, 22.7448



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.



23.2403, 30.5375, 56.8946



41.9345, 54.9890, 103.0115



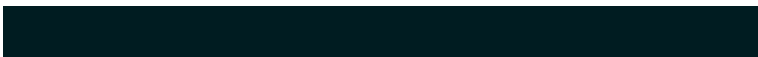
12.0701, 8.1970, 53.1711



10.2240, 11.1393, 12.8961



14.9849, 19.7262, 36.5744



0.6857, 0.9287, 1.5930

Inverse Universe

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



29.4667, 14.4173, 36.3526



53.2958, 26.0823, 65.4150



30.4089, 27.0228, 3.6146



10.4244, 10.2184, 12.3252



18.9596, 9.2736, 23.4973



0.8385, 0.4084, 1.1168

Previews

White Background



This preview shows how the XYZ color 23.2393, 30.5364, 56.8938 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 23.2393, 30.5364, 56.8938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

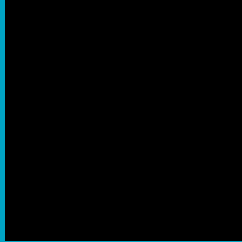
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2393, 30.5364, 56.8938

Background



This preview shows how black text looks on a background with the XYZ color 23.2393, 30.5364, 56.8938.

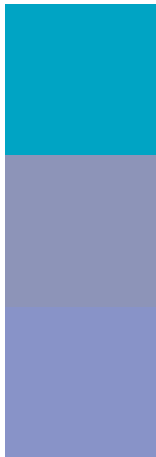


This preview shows how white text looks on a background with the XYZ color 23.2393, 30.5364,

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

23.2393, 30.5364, 56.8938

Protanopia

30.2261, 30.3032, 49.6034

Deuteranopia

31.0124, 30.2718, 58.8521



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

23.2393, 30.5364, 56.8938

Protanomaly

24.8492, 28.9157, 51.8486

Deuteranomaly

25.6305, 28.9322, 58.2664

Tritanomaly

22.2121, 30.4130, 50.5985

Monochromacy



Original Color

23.2393, 30.5364, 56.8938

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9109, 20.9710, 30.7603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2393, 30.5364, 56.8938 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, 164, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 196)  
}
```

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, 164, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.2393, 30.5364, 56.8938 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, 164, 196) }
```


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

```
.border{ border-color:rgb(0, 164, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2393, 30.5364, 56.8938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 196) }
```

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

```
.background{ background-color: rgb(0, 164,  
196) }
```

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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