

Converting Colors

XYZ(20.8923, 31.9128, 51.6967)

Have a look what the booklet for
XYZ(20.8923, 31.9128, 51.6967)
contains.

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Color

**XYZ(23.8065, 33.4323,
51.6527)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADBA
RGB	0, 173, 186
RGB Percent	0%, 68%, 73%
CMY	0.9998, 0.3216, 0.2706
CMYK	1.00, 0.07, 0.00, 0.27
HSL	184°, 100%, 36%
HSV	184°, 100%, 73%
XYZ	23.8065, 33.4323, 51.6527
YIQ	122.7550, -107.2810, -32.6330

Conversions

Conversions Part 2

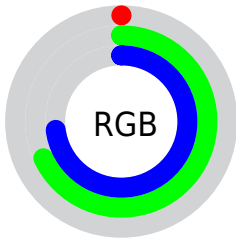
Format	Color
RYB	0, 90, 186
Decimal	44474
CIELab	64.51, -31.85, -17.17
CIELCh	65, 36.181, 208.336
Yxy	33.4323, 0.2186, 0.3070
Android (android.graphics.Color)	4278234554 (0xFF00ADBA)
YUV	122.7550, 31.1798, -107.6561
Hunter-Lab	57.8207, -27.6924, -12.4908

Details

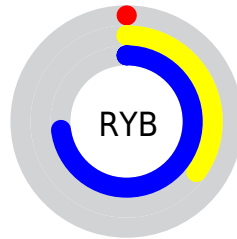
The XYZ color **23.8065, 33.4323, 51.6527** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.3946, 10.7281, 0.9969**, and the grayscale version is **18.6762, 19.6488, 21.3976**.

A 20% lighter version of the original color is **49.1919, 65.1021, 93.9777**, and **10.9501, 15.1264, 24.5329** is the 20% darker color. If you saturate the color by 10%, you get **23.8065, 33.4322, 51.6533**, and if you desaturate by 10%, it is **24.3192, 34.0692, 51.7492**.

Distribution



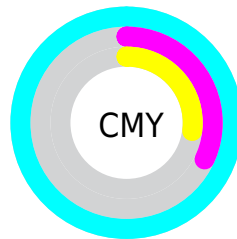
- Red (0%)
- Green (68%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8065, 33.4323, 51.6527 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 23.8065, 33.4323, 51.6527 by changing the saturation by 10% instead.


 23.8065, 33.4323,
51.6527


 23.8065, 33.4323,
51.6527


264.2994,
317.5932, 410.0131


 15.3141, 22.4578,
36.3480

 49.1712, 65.0499,
94.0402


 9.1279, 14.1937,
24.4113


 66.7743, 86.4618,
121.9601


 4.8825, 8.2555,
15.4240


 88.1449, 112.1216,
154.9221

 2.2125, 4.2589,
8.9675

 113.6485,
142.4137, 193.3448

 0.7493, 1.8194,
4.6235

 143.6504,
177.7225, 237.6467

 0.0000, 0.4992,
1.9733

178.5159,

 0.0000, 0.0000,

218.4324, 288.2463

0.5388

218.6105,
264.9279, 345.5623

■ 0.0000, 0.0000,
0.0000

■ 23.8065, 33.4323,
51.6527

■ 23.8065, 33.4323,
51.6527

■ 23.8065, 33.4322,
51.6533

■ 24.3192, 34.0692,
51.7492

■ 25.0821, 34.8380,
51.8574

■ 26.1879, 35.7872,
51.9824

■ 27.6818, 36.9402,
52.1262

■ 29.6023, 38.3167,
52.2906

■ 31.9832, 39.9341,
52.4774

■ 34.8549, 41.8083,
52.6877

■ 38.2451, 43.9534,
52.9231

■ 42.1795, 46.3827,
53.1847

Harmonies

Analogous

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



22.8410, 33.4323, 35.5816



23.8065, 33.4323, 51.6527



26.8393, 33.4323, 66.4016

Triad

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



23.8065, 33.4323, 51.6527



41.0087, 33.4323, 53.4821



32.0660, 33.4323, 14.7188

Complementary

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



23.8065, 33.4323, 51.6527



20.3946, 10.7281, 0.9969

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.



37.2846, 33.4323, 17.1522



23.8065, 33.4323, 51.6527



42.7825, 33.4323, 37.2351

Square

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



23.8065, 33.4323, 51.6527



36.7311, 33.4323, 67.6435



41.3519, 33.4323, 24.4943



27.2886, 33.4323, 16.6564

Rectangle

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



23.8065, 33.4323, 51.6527



29.8090, 33.4323, 72.0003



41.3519, 33.4323, 24.4943



33.8285, 33.4323, 15.0359

Sweetspot

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



23.8076, 33.4335, 51.6535



62.8839, 75.5915, 95.4777



17.6287, 35.1462, 6.2167



13.3422, 16.3189, 20.9892



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.8076, 33.4335, 51.6535



43.0755, 60.4477, 93.5987



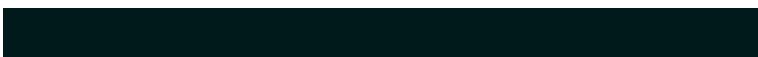
11.7780, 9.3744, 47.6437



9.2115, 10.1002, 11.5435



16.0388, 22.5373, 34.7579



0.5816, 0.8268, 1.2307

Inverse Universe

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



27.7934, 13.4573, 40.6690



50.3377, 24.3751, 73.5127



25.3444, 20.6277, 2.6469



9.3531, 9.1516, 11.2069



18.7093, 9.0575, 27.4199



0.6677, 0.3226, 1.0096

Previews

White Background



This preview shows how the XYZ color 23.8065, 33.4323, 51.6527 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 23.8065, 33.4323, 51.6527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

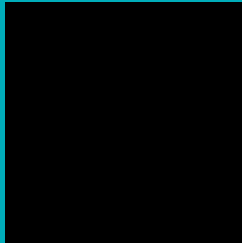
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

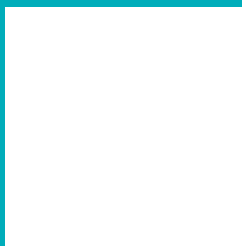
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8065, 33.4323, 51.6527

Background



This preview shows how black text looks on a background with the XYZ color 23.8065, 33.4323, 51.6527.



This preview shows how white text looks on a background with the XYZ color 23.8065, 33.4323,

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

23.8065, 33.4323, 51.6527

Protanopia

32.3325, 32.9395, 44.6983

Deuteranopia

33.7691, 32.9904, 53.8782



Tritanopia

24.0384, 33.5395, 52.2205

Trichromacy



Original Color

23.8065, 33.4323, 51.6527



Protanomaly

25.7105, 31.2455, 46.7954



Deuteranomaly

26.6859, 31.3571, 52.7901



Tritanomaly

23.9883, 33.5137, 52.2182

Monochromacy



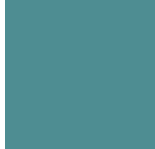
Original Color

23.8065, 33.4323, 51.6527



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.8551, 22.7448, 30.6432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8065, 33.4323, 51.6527 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, 173, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 186)  
}
```

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, 173, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.8065, 33.4323, 51.6527 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, 173, 186) }
```


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

```
.border{ border-color:rgb(0, 173, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8065, 33.4323, 51.6527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 186) }
```

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

```
.background{ background-color: rgb(0, 173,  
186) }
```

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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