

Converting Colors

XYZ(23.7005, 33.3899, 51.0947)

Have a look what the booklet for
XYZ(23.7005, 33.3899, 51.0947)
contains.

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Color

**XYZ(23.7005, 33.3899,
51.0947)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADB9
RGB	0, 173, 185
RGB Percent	0%, 68%, 73%
CMY	0.9999, 0.3216, 0.2745
CMYK	1.00, 0.06, 0.00, 0.27
HSL	184°, 100%, 36%
HSV	184°, 100%, 73%
XYZ	23.7005, 33.3899, 51.0947
YIQ	122.6410, -106.9600, -32.9440

Conversions

Conversions Part 2

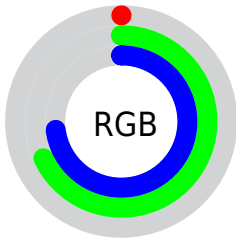
Format	Color
RYB	0, 89, 185
Decimal	44473
CIELab	64.48, -32.17, -16.67
CIELCh	64, 36.229, 207.391
Yxy	33.3899, 0.2191, 0.3086
Android (android.graphics.Color)	4278234553 (0xFF00ADB9)
YUV	122.6410, 30.7430, -107.5562
Hunter-Lab	57.7840, -27.9090, -11.9776

Details

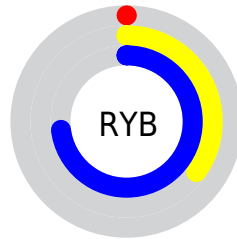
The XYZ color **23.7005, 33.3899, 51.0947** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.1399, 10.5783, 0.9813**, and the grayscale version is **18.6398, 19.6105, 21.3558**.

A 20% lighter version of the original color is **49.0421, 65.0421, 93.1887**, and **10.8813, 15.0989, 24.1707** is the 20% darker color. If you saturate the color by 10%, you get **23.7007, 33.3900, 51.0953**, and if you desaturate by 10%, it is **24.1919, 33.9871, 51.1847**.

Distribution



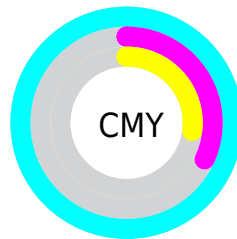
- Red (0%)
- Green (68%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7005, 33.3899, 51.0947 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 23.7005, 33.3899, 51.0947 by changing the saturation by 10% instead.

■ 23.7005, 33.3899,
51.0947

■ 23.7005, 33.3899,
51.0947

263.7715,
317.4030, 407.7887

■ 15.2351, 22.4253,
35.9067

■ 48.9993, 64.9838,
93.2077

■ 9.0720, 14.1697,
24.0730

■ 66.5634, 86.3819,
120.9698

■ 4.8456, 8.2388,
15.1751

■ 87.8911, 112.0265,
153.7603

■ 2.1908, 4.2481,
8.7944

■ 113.3478,
142.3022, 191.9978

■ 0.7379, 1.8133,
4.5123

■ 143.2988,
177.5933, 236.1009

■ 0.0000, 0.4955,
1.9104

178.1095,

■ 0.0000, 0.0000,

218.2842, 286.4880

0.4993

218.1453,
264.7593, 343.5778

■ 0.0000, 0.0000,
0.0000

■ 23.7005, 33.3899,
51.0947

■ 23.7005, 33.3899,
51.0947

■ 23.7007, 33.3900,
51.0953

■ 24.1919, 33.9871,
51.1847

■ 24.9298, 34.7137,
51.2861

■ 26.0059, 35.6178,
51.4039

■ 27.4651, 36.7225,
51.5402

■ 29.3451, 38.0472,
51.6968

■ 31.6794, 39.6092,
51.8752

■ 34.4980, 41.4240,
52.0770

■ 37.8281, 43.5056,
52.3033

■ 41.6953, 45.8672,
52.5553

Harmonies

Analogous

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



22.8029, 33.3899, 35.0750



23.7005, 33.3899, 51.0947



26.6733, 33.3899, 66.0087

Triad

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



23.7005, 33.3899, 51.0947



40.8711, 33.3899, 53.9639



32.1909, 33.3899, 14.6823

Complementary

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



23.7005, 33.3899, 51.0947



20.1399, 10.5783, 0.9813

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.



37.4021, 33.3899, 17.2561



23.7005, 33.3899, 51.0947



42.7421, 33.3899, 37.6677

Square

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



23.7005, 33.3899, 51.0947



36.5342, 33.3899, 67.9568



41.4092, 33.3899, 24.7649



27.3776, 33.3899, 16.4793

Rectangle

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



23.7005, 33.3899, 51.0947



29.6145, 33.3899, 71.8308



41.4092, 33.3899, 24.7649



33.9567, 33.3899, 15.0444

Sweetspot

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



23.7015, 33.3911, 51.0955



61.5058, 74.0121, 93.2487



17.4005, 34.7190, 6.0509



12.7850, 15.6524, 20.0690



88.6918, 93.3107, 101.6153



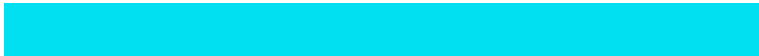
17.8044, 18.7317, 20.3988

Same Dimension

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



23.7015, 33.3911, 51.0955



42.3798, 59.6658, 91.4876



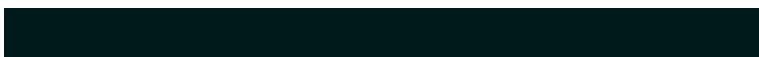
11.8715, 9.7310, 47.1522



9.2155, 10.1082, 11.5448



16.1585, 22.7766, 34.7978



0.5847, 0.8331, 1.2317

Inverse Universe

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



27.5513, 13.3324, 40.6577



49.3084, 23.8628, 72.6353



24.7365, 19.7714, 2.5135



9.3551, 9.1524, 11.2174



18.7697, 9.0816, 27.7378



0.6693, 0.3232, 1.0179

Previews

White Background



This preview shows how the XYZ color 23.7005, 33.3899, 51.0947 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 23.7005, 33.3899, 51.0947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

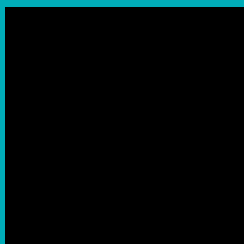
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

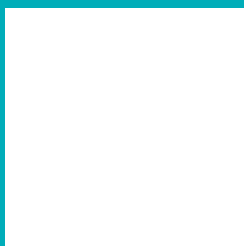
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7005, 33.3899, 51.0947

Background



This preview shows how black text looks on a background with the XYZ color 23.7005, 33.3899, 51.0947.



This preview shows how white text looks on a background with the XYZ color 23.7005, 33.3899,

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

23.7005, 33.3899, 51.0947

Protanopia

32.2353, 32.9006, 44.1866

Deuteranopia

33.6594, 32.9465, 53.3005



Tritanopia

24.0792, 33.5606, 52.2224

Trichromacy



Original Color

23.7005, 33.3899, 51.0947

Protanomaly

25.6104, 31.2055, 46.2684

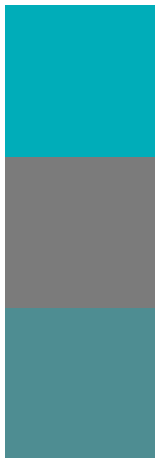
Deuteranomaly

26.5777, 31.3138, 52.2203

Tritanomaly

23.9066, 33.4839, 51.6574

Monochromacy



Original Color

23.7005, 33.3899, 51.0947

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 23.7005, 33.3899, 51.0947 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.7005, 33.3899, 51.0947 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, 185) }
```


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

```
.border{ border-color:rgb(0, 173, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7005, 33.3899, 51.0947 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, 185) }
```

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

```
.background{ background-color: rgb(0, 173,  
185) }
```

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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