

Converting Colors

XYZ(23.7689, 34.1848, 49.0885)

Have a look what the booklet for
XYZ(23.7689, 34.1848, 49.0885)
contains.

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Color

**XYZ(23.6705, 33.9961,
49.0304)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFB5
RGB	0, 175, 181
RGB Percent	0%, 69%, 71%
CMY	0.9998, 0.3137, 0.2902
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 100%, 35%
HSV	182°, 100%, 71%
XYZ	23.6705, 33.9961, 49.0304
YIQ	123.3590, -106.2260, -35.2340

Conversions

Conversions Part 2

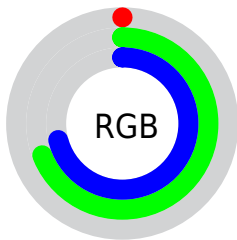
Format	Color
RYB	0, 89, 181
Decimal	44981
CIELab	64.96, -34.39, -13.71
CIELCh	65, 37.019, 201.739
Yxy	33.9961, 0.2218, 0.3186
Android (android.graphics.Color)	4278235061 (0xFF00AFB5)
YUV	123.3590, 28.4170, -108.1858
Hunter-Lab	58.3062, -29.5703, -9.0434

Details

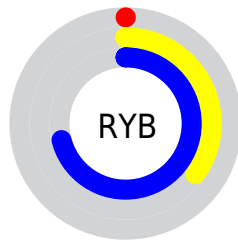
The XYZ color **23.6705, 33.9961, 49.0304** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.1221, 9.9551, 0.9149**, and the grayscale version is **18.8839, 19.8673, 21.6355**.

A 20% lighter version of the original color is **49.0076, 65.9189, 90.2614**, and **10.8558, 15.4776, 22.8374** is the 20% darker color. If you saturate the color by 10%, you get **23.6708, 33.9965, 49.0311**, and if you desaturate by 10%, it is **24.0402, 34.3612, 49.0820**.

Distribution



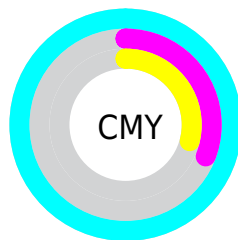
- Red (0%)
- Green (69%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6705, 33.9961, 49.0304 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 23.6705, 33.9961, 49.0304 by changing the saturation by 10% instead.

■ 23.6705, 33.9961,
49.0304

■ 23.6705, 33.9961,
49.0304

263.6219,
320.1147, 399.4879

■ 15.2128, 22.8906,
34.2778

■ 48.9506, 65.9276,
90.1181

■ 9.0561, 14.5127,
22.8280

■ 66.5036, 87.5224,
117.2902

■ 4.8352, 8.4781,
14.2625

■ 87.8192, 113.3824,
149.4393

■ 2.1847, 4.4024,
8.1626

■ 113.2626,
143.8921, 186.9839

■ 0.7346, 1.9011,
4.1099

■ 143.1992,
179.4357, 230.3425

■ 0.0000, 0.5490,
1.6858

177.9944,

■ 0.0000, 0.0000,

220.3978, 279.9337

0.3510

218.0135,
267.1626, 336.1760

■ 0.0000, 0.0000,
0.0000

■ 23.6705, 33.9961,
49.0304

■ 23.6705, 33.9961,
49.0304

■ 23.6708, 33.9965,
49.0311

■ 24.0402, 34.3612,
49.0820

■ 24.6417, 34.8458,
49.1439

■ 25.5635, 35.4963,
49.2208

■ 26.8479, 36.3345,
49.3149

■ 28.5309, 37.3789,
49.4278

■ 30.6439, 38.6459,
49.5610

■ 33.2154, 40.1499,
49.7158

■ 36.2713, 41.9045,
49.8934

■ 39.8358, 43.9220,
50.0949

Harmonies

Analogous

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



23.1665, 33.9961, 32.9434



23.6705, 33.9961, 49.0304



26.3534, 33.9961, 65.2906

Triad

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



23.6705, 33.9961, 49.0304



41.0780, 33.9961, 58.4126



33.8125, 33.9961, 14.8508

Complementary

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



23.6705, 33.9961, 49.0304



19.1221, 9.9551, 0.9149

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.



39.1078, 33.9961, 18.3725



23.6705, 33.9961, 49.0304



43.5948, 33.9961, 41.4110

Square

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



23.6705, 33.9961, 49.0304



36.2726, 33.9961, 71.6652



42.8366, 33.9961, 27.1444



28.6512, 33.9961, 15.8453

Rectangle

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



23.6705, 33.9961, 49.0304



29.1959, 33.9961, 72.6189



42.8366, 33.9961, 27.1444



35.6429, 33.9961, 15.5006

Sweetspot

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



23.6716, 33.9974, 49.0312



59.2247, 71.7546, 89.0232



16.5414, 33.0552, 5.5963



12.3697, 15.2580, 19.2154



86.6293, 91.1408, 99.2523



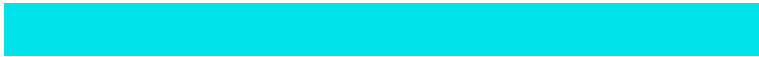
17.0014, 17.8868, 19.4787

Same Dimension

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



23.6716, 33.9974, 49.0312



42.3583, 60.8164, 87.8008



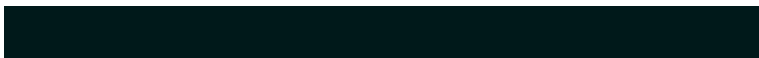
11.7904, 10.2350, 45.0708



8.7180, 9.5823, 10.8964



16.3284, 23.4571, 33.8041



0.5212, 0.7530, 1.0661

Inverse Universe

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



26.7949, 12.9200, 41.6402



47.9697, 23.1304, 74.4813



23.0182, 17.7474, 2.2136



8.8376, 8.6418, 10.6433



18.4765, 8.9081, 28.7327



0.5851, 0.2818, 0.9238

Previews

White Background



This preview shows how the XYZ color 23.6705, 33.9961, 49.0304 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 23.6705, 33.9961, 49.0304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

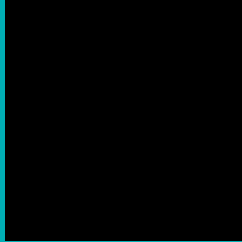
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

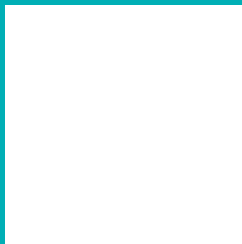
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6705, 33.9961, 49.0304

Background



This preview shows how black text looks on a background with the XYZ color 23.6705, 33.9961, 49.0304.

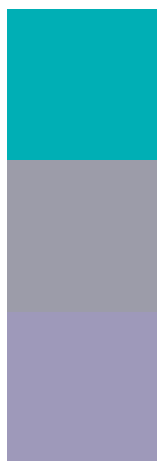


This preview shows how white text looks on a background with the XYZ color 23.6705, 33.9961,

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

23.6705, 33.9961, 49.0304

Protanopia

32.7602, 33.7094, 42.3160

Deuteranopia

34.3547, 33.5967, 51.1285



Tritanopia

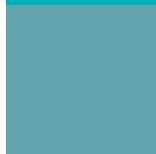
24.6141, 34.1096, 52.8635

Trichromacy



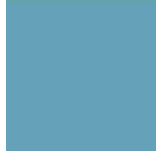
Original Color

23.6705, 33.9961, 49.0304



Protanomaly

25.7856, 31.8642, 44.3265



Deuteranomaly

26.7634, 31.7171, 50.0588



Tritanomaly

24.1067, 33.8850, 51.1689

Monochromacy



Original Color

23.6705, 33.9961, 49.0304



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.8489, 22.9793, 29.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6705, 33.9961, 49.0304 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, 175, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 181)  
}
```

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, 175, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.6705, 33.9961, 49.0304 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, 175, 181) }
```


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

```
.border{ border-color:rgb(0, 175, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6705, 33.9961, 49.0304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 181) }
```

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

```
.background{ background-color: rgb(0, 175,  
181) }
```

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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