

Converting Colors

XYZ(13.9379, 30.9404, 44.4121)

Have a look what the booklet for
XYZ(13.9379, 30.9404, 44.4121)
contains.

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Color

**XYZ(23.9703, 36.0263,
44.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5AC
RGB	0, 181, 172
RGB Percent	0%, 71%, 67%
CMY	0.9999, 0.2902, 0.3255
CMYK	1.00, 0.00, 0.05, 0.29
HSL	177°, 100%, 35%
HSV	177°, 100%, 71%
XYZ	23.9703, 36.0263, 44.7201
YIQ	125.8550, -104.9870, -41.1710

Conversions

Conversions Part 2

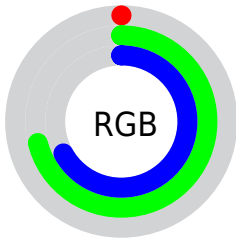
Format	Color
RYB	0, 93, 181
Decimal	46508
CIELab	66.54, -39.88, -6.36
CIElCh	67, 40.380, 189.055
Yxy	36.0263, 0.2289, 0.3440
Android (android.graphics.Color)	4278236588 (0xFF00B5AC)
YUV	125.8550, 22.7495, -110.3748
Hunter-Lab	60.0219, -33.7527, -2.1594

Details

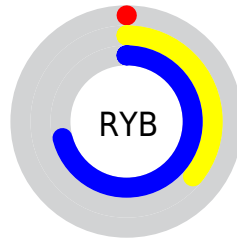
The XYZ color **23.9703, 36.0263, 44.7201** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.1066, 9.8447, 1.1527**, and the grayscale version is **19.7367, 20.7646, 22.6126**.

A 20% lighter version of the original color is **49.4767, 69.2918, 83.4400**, and **10.9795, 16.5348, 20.3822** is the 20% darker color. If you saturate the color by 10%, you get **23.9708, 36.0274, 44.7200**, and if you desaturate by 10%, it is **24.3097, 36.1920, 45.1898**.

Distribution



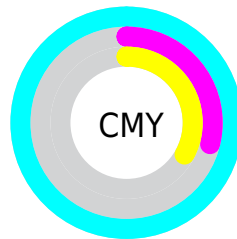
- Red (0%)
- Green (71%)
- Blue (67%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9703, 36.0263, 44.7201 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 23.9703, 36.0263, 44.7201 by changing the saturation by 10% instead.


 23.9703, 36.0263,
44.7201


 23.9703, 36.0263,
44.7201


265.1136,
329.0755, 381.7658


 15.4362, 24.4545,
30.8957


 49.4368, 69.0727,
83.6142


 9.2144, 15.6711,
20.2616

 67.0998, 91.3160,
109.5210


 4.9395, 9.2917,
12.3994


 88.5366, 117.8853,
140.2923

 2.2462, 4.9320,
6.8905

 114.1125,
149.1650, 176.3467

 0.7669, 2.2074,
3.3163

 144.1927,
185.5395, 218.1027

 0.0000, 0.7240,
1.2583

179.1427,

 0.0000, 0.0000,

227.3932, 265.9789

0.0273

219.3279,
275.1103, 320.3937

■ 0.0000, 0.0000,
0.0000

■ 23.9703, 36.0263,
44.7201

■ 23.9703, 36.0263,
44.7201

■ 23.9708, 36.0274,
44.7200

■ 24.3097, 36.1920,
45.1898

■ 24.8809, 36.4764,
45.6725

■ 25.7725, 36.9259,
46.1733

■ 27.0268, 37.5623,
46.6942

■ 28.6796, 38.4040,
47.2368

■ 30.7626, 39.4675,
47.8026

■ 33.3042, 40.7673,
48.3930

■ 36.3302, 42.3168,
49.0091

■ 39.8648, 44.1283,
49.6522

Harmonies

Analogous

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



24.4665, 36.0263, 28.4601



23.9703, 36.0263, 44.7201



25.9626, 36.0263, 64.2508

Triad

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



23.9703, 36.0263, 44.7201



42.1259, 36.0263, 71.2890



38.5811, 36.0263, 15.5756

Complementary

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



23.9703, 36.0263, 44.7201



19.1066, 9.8447, 1.1527

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.



44.1172, 36.0263, 21.7249



23.9703, 36.0263, 44.7201



46.3258, 36.0263, 52.4144

Square

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



23.9703, 36.0263, 44.7201



36.1099, 36.0263, 82.3045



47.0946, 36.0263, 34.2023



32.4395, 36.0263, 14.6284

Rectangle

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



23.9703, 36.0263, 44.7201



28.5897, 36.0263, 75.3998



47.0946, 36.0263, 34.2023



40.5939, 36.0263, 16.9922

Sweetspot

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



23.9714, 36.0277, 44.7210



59.3871, 72.8789, 86.6118



16.6383, 33.1075, 5.5145



12.4096, 15.5338, 18.6242



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.



23.9714, 36.0277, 44.7210



42.9039, 64.5119, 79.9540



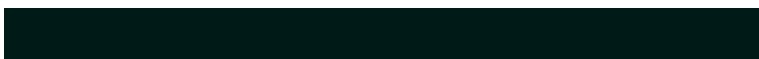
12.8570, 12.3681, 45.4271



8.7240, 9.6241, 10.8064



16.5322, 24.8388, 30.8689



0.5257, 0.7837, 1.0004

Inverse Universe

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



19.1066, 9.8447, 1.1527



34.1934, 17.6199, 1.9361



22.0344, 15.7792, 1.8854



8.5129, 8.5119, 8.9335



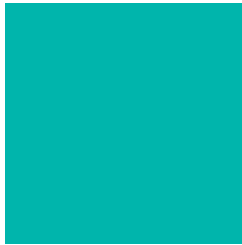
13.1786, 6.7890, 0.8344



0.4203, 0.2159, 0.0559

Previews

White Background



This preview shows how the XYZ color 23.9703, 36.0263, 44.7201 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 23.9703, 36.0263, 44.7201 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

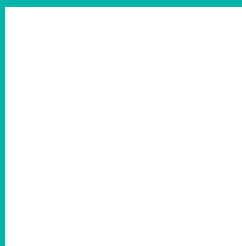
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9703, 36.0263, 44.7201

Background



This preview shows how black text looks on a background with the XYZ color 23.9703, 36.0263, 44.7201.

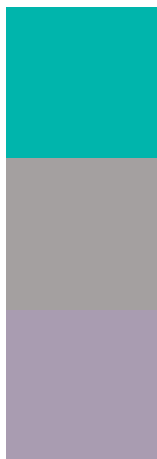


This preview shows how white text looks on a background with the XYZ color 23.9703, 36.0263,

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

23.9703, 36.0263, 44.7201

Protanopia

34.2258, 35.5722, 38.3199

Deuteranopia

36.1865, 35.3863, 46.5180



Tritanopia

26.3099, 36.0977, 55.4500

Trichromacy



Original Color

23.9703, 36.0263, 44.7201



Protanomaly

26.4124, 33.6287, 40.2209



Deuteranomaly

27.3773, 33.1936, 45.5215



Tritanomaly

25.2780, 35.9497, 51.5056

Monochromacy



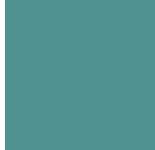
Original Color

23.9703, 36.0263, 44.7201



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.5451, 24.2464, 29.6892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9703, 36.0263, 44.7201 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, 181, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 172)  
}
```

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, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.9703, 36.0263, 44.7201 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, 181, 172) }
```


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

```
.border{ border-color:rgb(0, 181, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9703, 36.0263, 44.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 172) }
```

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

```
.background{ background-color: rgb(0, 181,  
172) }
```

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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