

Converting Colors

XYZ(13.7474, 28.5880, 46.8584)

Have a look what the booklet for
XYZ(13.7474, 28.5880, 46.8584)
contains.

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Color

**XYZ(23.1719, 33.4865,
47.3617)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEB2
RGB	0, 174, 178
RGB Percent	0%, 68%, 70%
CMY	0.9999, 0.3176, 0.3020
CMYK	1.00, 0.02, 0.00, 0.30
HSL	181°, 100%, 35%
HSV	181°, 100%, 70%
XYZ	23.1719, 33.4865, 47.3617
YIQ	122.4300, -104.9880, -35.6440

Conversions

Conversions Part 2

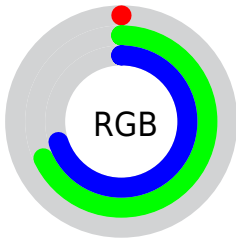
Format	Color
RYB	0, 88, 178
Decimal	44722
CIELab	64.55, -34.86, -12.65
CIELCh	65, 37.084, 199.950
Yxy	33.4865, 0.2228, 0.3219
Android (android.graphics.Color)	4278234802 (0xFF00AEB2)
YUV	122.4300, 27.3960, -107.3711
Hunter-Lab	57.8675, -29.7914, -8.0187

Details

The XYZ color **23.1719, 33.4865, 47.3617** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.4042, 9.5526, 0.8746**, and the grayscale version is **18.5802, 19.5478, 21.2876**.

A 20% lighter version of the original color is **48.1851, 65.1308, 87.8738**, and **10.5390, 15.1554, 21.7719** is the 20% darker color. If you saturate the color by 10%, you get **23.1724, 33.4873, 47.3625**, and if you desaturate by 10%, it is **23.4962, 33.7693, 47.3998**.

Distribution



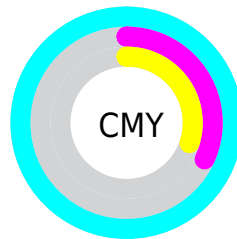
- Red (0%)
- Green (68%)
- Blue (70%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1719, 33.4865, 47.3617 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 23.1719, 33.4865, 47.3617 by changing the saturation by 10% instead.


 23.1719, 33.4865,
47.3617


 23.1719, 33.4865,
47.3617


261.1256,
317.8363, 392.6919


 14.8419, 22.4994,
32.9653


 48.1400, 65.1343,
87.6089


 8.7941, 14.2243,
21.8290


 65.5088, 86.5639,
114.2968


 4.6631, 8.2768,
13.5342


 86.6213, 112.2430,
145.9189

 2.0837, 4.2726,
7.6624

 111.8427,
142.5561, 182.8938

 0.6803, 1.8272,
3.7950

 141.5385,
177.8876, 225.6400

 0.0000, 0.5040,
1.5136

 176.0740,

 0.0000, 0.0000,

218.6218, 274.5761

0.2280

215.8146,
265.1433, 330.1205

■ 0.0000, 0.0000,
0.0000

■ 23.1719, 33.4865,
47.3617

■ 23.1719, 33.4865,
47.3617

■ 23.1724, 33.4873,
47.3625

■ 23.4962, 33.7693,
47.3998

■ 24.0422, 34.1659,
47.4476

■ 24.8962, 34.7218,
47.5099

■ 26.0988, 35.4576,
47.5885

■ 27.6844, 36.3912,
47.6852

■ 29.6832, 37.5382,
47.8012

■ 32.1225, 38.9127,
47.9379

■ 35.0272, 40.5274,
48.0965

■ 38.4204, 42.3942,
48.2780

Harmonies

Analogous

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



22.8053, 33.4865, 31.5979



23.1719, 33.4865, 47.3617



25.7064, 33.4865, 63.6993

Triad

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



23.1719, 33.4865, 47.3617



40.2900, 33.4865, 58.6685



33.6410, 33.4865, 14.6009

Complementary

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



23.1719, 33.4865, 47.3617



18.4042, 9.5526, 0.8746

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.



38.8514, 33.4865, 18.3622



23.1719, 33.4865, 47.3617



42.9627, 33.4865, 41.7993

Square

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



23.1719, 33.4865, 47.3617



35.4358, 33.4865, 71.3826



42.4088, 33.4865, 27.3762



28.4736, 33.4865, 15.3211

Rectangle

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



23.1719, 33.4865, 47.3617



28.4580, 33.4865, 71.3551



42.4088, 33.4865, 27.3762



35.4539, 33.4865, 15.3310

Sweetspot

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



23.1729, 33.4877, 47.3625



57.9937, 70.4206, 86.9171



15.9374, 31.8480, 5.3933



12.4218, 15.3621, 19.2327



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.



23.1729, 33.4877, 47.3625



41.9970, 60.6779, 85.8797



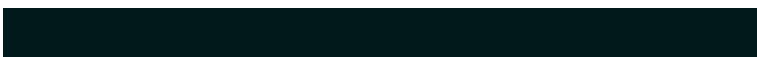
11.3680, 9.8779, 43.4275



8.7260, 9.5981, 10.8990



16.5865, 23.9733, 33.8901



0.5270, 0.7645, 1.0680

Inverse Universe

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



26.0009, 12.5218, 41.0923



47.1375, 22.7012, 74.4522



22.1860, 17.1162, 2.1352



8.8416, 8.6434, 10.6644



18.6067, 8.9602, 29.4187



0.5880, 0.2830, 0.9392

Previews

White Background



This preview shows how the XYZ color 23.1719, 33.4865, 47.3617 looks on a white background.

Color Contrast Check

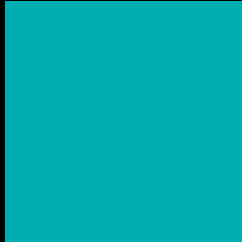
Large Text (above 18pt) WCAG AA × Fail

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 23.1719, 33.4865, 47.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

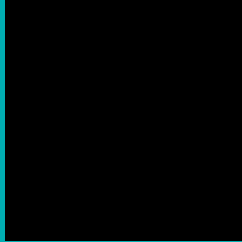
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

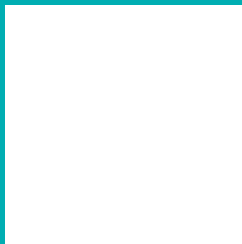
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1719, 33.4865, 47.3617

Background



This preview shows how black text looks on a background with the XYZ color 23.1719, 33.4865, 47.3617.



This preview shows how white text looks on a background with the XYZ color 23.1719, 33.4865,

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

23.1719, 33.4865, 47.3617

Protanopia

32.1218, 33.1644, 40.7848

Deuteranopia

33.6801, 33.0435, 49.4026



Tritanopia

24.3652, 33.7080, 52.2358

Trichromacy



Original Color

23.1719, 33.4865, 47.3617

Protanomaly

25.3216, 31.3956, 42.7556

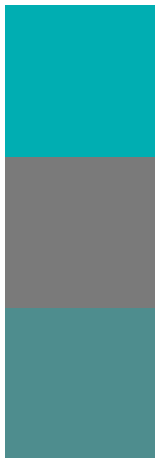
Deuteranomaly

26.1668, 31.1871, 48.3566

Tritanomaly

23.8265, 33.4670, 50.5514

Monochromacy



Original Color

23.1719, 33.4865, 47.3617

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.5492, 22.6224, 29.0328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1719, 33.4865, 47.3617 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, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 178)  
}
```

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, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 178) }
```

Border

The CSS property to change the border of an element to XYZ 23.1719, 33.4865, 47.3617 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, 174, 178) }
```


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

```
.border{ border-color:rgb(0, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1719, 33.4865, 47.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 178) }
```

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

```
.background{ background-color: rgb(0, 174,  
178) }
```

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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