

Converting Colors

XYZ(22.1755, 32.8998, 46.7351)

Have a look what the booklet for
XYZ(22.1755, 32.8998, 46.7351)
contains.

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Color

**XYZ(23.0719, 33.4464,
46.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEB1
RGB	0, 174, 177
RGB Percent	0%, 68%, 69%
CMY	0.9998, 0.3176, 0.3059
CMYK	1.00, 0.02, 0.00, 0.31
HSL	181°, 100%, 35%
HSV	181°, 100%, 69%
XYZ	23.0719, 33.4464, 46.8348
YIQ	122.3160, -104.6670, -35.9550

Conversions

Conversions Part 2

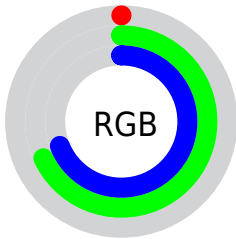
Format	Color
RYB	0, 88, 177
Decimal	44721
CIELab	64.52, -35.17, -12.14
CIELCh	65, 37.208, 199.050
Yxy	33.4464, 0.2232, 0.3236
Android (android.graphics.Color)	4278234801 (0xFF00AEB1)
YUV	122.3160, 26.9592, -107.2711
Hunter-Lab	57.8329, -29.9965, -7.5318

Details

The XYZ color **23.0719, 33.4464, 46.8348** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.1649, 9.4133, 0.8606**, and the grayscale version is **18.5451, 19.5109, 21.2474**.

A 20% lighter version of the original color is **48.0418, 65.0735, 87.1192**, and **10.4755, 15.1300, 21.4370** is the 20% darker color. If you saturate the color by 10%, you get **23.0723, 33.4471, 46.8355**, and if you desaturate by 10%, it is **23.3751, 33.6895, 46.8664**.

Distribution



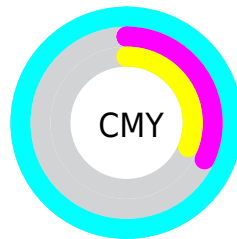
- Red (0%)
- Green (68%)
- Blue (69%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0719, 33.4464, 46.8348 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 23.0719, 33.4464, 46.8348 by changing the saturation by 10% instead.

■ 23.0719, 33.4464,
46.8348

■ 23.0719, 33.4464,
46.8348

■ 260.6225,
317.6565, 390.5294

■ 14.7676, 22.4686,
32.5517

■ 47.9771, 65.0718,
86.8144

■ 8.7417, 14.2017,
21.5149

■ 65.3088, 86.4883,
113.3479

■ 4.6288, 8.2611,
13.3060

■ 86.3803, 112.1531,
144.8020

■ 2.0637, 4.2624,
7.5064

■ 111.5569,
142.4507, 181.5951

■ 0.6694, 1.8214,
3.6976

■ 141.2041,
177.7655, 224.1459

■ 0.0000, 0.5005,
1.4609

■ 175.6872,

■ 0.0000, 0.0000,

218.4817, 272.8728

0.1886

215.3716,
264.9839, 328.1945

■ 0.0000, 0.0000,
0.0000

■ 23.0719, 33.4464,
46.8348

■ 23.0719, 33.4464,
46.8348

■ 23.0723, 33.4471,
46.8355

■ 23.3751, 33.6895,
46.8664

■ 23.8967, 34.0448,
46.9074

■ 24.7224, 34.5569,
46.9628

■ 25.8920, 35.2466,
47.0343

■ 27.4395, 36.1313,
47.1235

■ 29.3948, 37.2263,
47.2318

■ 31.7847, 38.5456,
47.3605

■ 34.6338, 40.1019,
47.5107

■ 37.9648, 41.9067,
47.6835

Harmonies

Analogous

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



22.7714, 33.4464, 31.1337



23.0719, 33.4464, 46.8348



25.5487, 33.4464, 63.3114

Triad

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



23.0719, 33.4464, 46.8348



40.1539, 33.4464, 59.1766



33.7717, 33.4464, 14.5707

Complementary

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



23.0719, 33.4464, 46.8348



18.1649, 9.4133, 0.8606

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.



38.9725, 33.4464, 18.4768



23.0719, 33.4464, 46.8348



42.9213, 33.4464, 42.2675

Square

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



23.0719, 33.4464, 46.8348



35.2449, 33.4464, 71.6985



42.4663, 33.4464, 27.6721



28.5682, 33.4464, 15.1596

Rectangle

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



23.0719, 33.4464, 46.8348



28.2725, 33.4464, 71.1780



42.4663, 33.4464, 27.6721



35.5874, 33.4464, 15.3456

Sweetspot

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



23.0729, 33.4476, 46.8356



56.6755, 68.8962, 84.8065



15.7392, 31.4516, 5.3270



11.8842, 14.7117, 18.3576



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.0729, 33.4476, 46.8356



41.3034, 59.8664, 83.8737



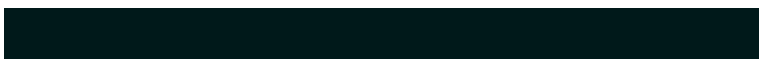
11.2300, 9.7618, 42.8880



8.7301, 9.6063, 10.9004



16.7212, 24.2428, 33.9350



0.5300, 0.7705, 1.0690

Inverse Universe

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



25.7724, 12.4042, 41.0815



46.1470, 22.2100, 73.5265



21.9133, 16.9100, 2.1101



8.8437, 8.6442, 10.6753



18.6747, 8.9875, 29.7768



0.5895, 0.2836, 0.9472

Previews

White Background



This preview shows how the XYZ color 23.0719, 33.4464, 46.8348 looks on a white background.

Color Contrast Check

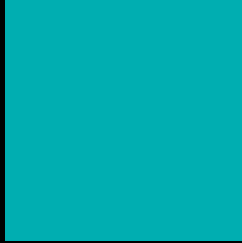
Large Text (above 18pt) WCAG AA × Fail

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 23.0719, 33.4464, 46.8348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

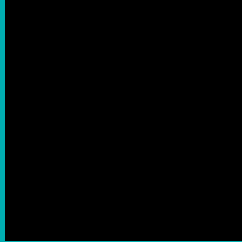
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

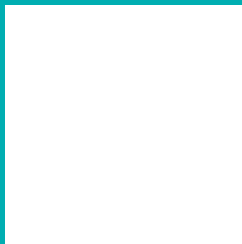
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0719, 33.4464, 46.8348

Background



This preview shows how black text looks on a background with the XYZ color 23.0719, 33.4464, 46.8348.



This preview shows how white text looks on a background with the XYZ color 23.0719, 33.4464,

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

23.0719, 33.4464, 46.8348

Protanopia

32.0304, 33.1279, 40.3034

Deuteranopia

33.7723, 33.1030, 48.8655



Tritanopia

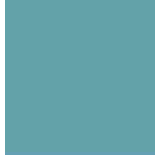
24.3921, 33.7219, 52.2371

Trichromacy



Original Color

23.0719, 33.4464, 46.8348



Protanomaly

25.2274, 31.3579, 42.2592



Deuteranomaly

26.1759, 31.2036, 47.8233



Tritanomaly

23.7403, 33.4346, 50.0020

Monochromacy



Original Color

23.0719, 33.4464, 46.8348



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 23.0719, 33.4464, 46.8348 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.0719, 33.4464, 46.8348 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, 177) }
```


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

```
.border{ border-color:rgb(0, 174, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0719, 33.4464, 46.8348 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, 177) }
```

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

```
.background{ background-color: rgb(0, 174,  
177) }
```

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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