

Converting Colors

XYZ(21.8950, 32.5236, 46.6616)

Have a look what the booklet for
XYZ(21.8950, 32.5236, 46.6616)
contains.

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Color

**XYZ(22.8794, 33.0615,
46.7706)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADB1
RGB	0, 173, 177
RGB Percent	0%, 68%, 69%
CMY	0.9999, 0.3216, 0.3059
CMYK	1.00, 0.02, 0.00, 0.31
HSL	181°, 100%, 35%
HSV	181°, 100%, 69%
XYZ	22.8794, 33.0615, 46.7706
YIQ	121.7290, -104.3920, -35.4320

Conversions

Conversions Part 2

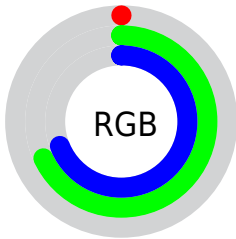
Format	Color
RYB	0, 87, 177
Decimal	44465
CIELab	64.21, -34.70, -12.61
CIELCh	64, 36.923, 199.969
Yxy	33.0615, 0.2228, 0.3219
Android (android.graphics.Color)	4278234545 (0xFF00ADB1)
YUV	121.7290, 27.2486, -106.7563
Hunter-Lab	57.4991, -29.5968, -7.9779

Details

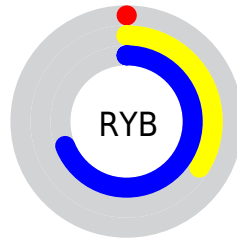
The XYZ color **22.8794, 33.0615, 46.7706** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.1757, 9.4349, 0.8641**, and the grayscale version is **18.3525, 19.3082, 21.0267**.

A 20% lighter version of the original color is **47.7643, 64.5185, 87.0267**, and **10.3546, 14.8882, 21.3967** is the 20% darker color. If you saturate the color by 10%, you get **22.8798, 33.0622, 46.7713**, and if you desaturate by 10%, it is **23.2013, 33.3422, 46.8084**.

Distribution



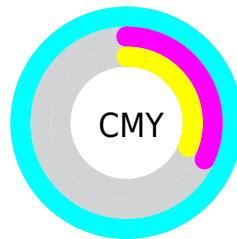
- Red (0%)
- Green (68%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- 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 22.8794, 33.0615, 46.7706 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 22.8794, 33.0615, 46.7706 by changing the saturation by 10% instead.

■ 22.8794, 33.0615,
46.7706

■ 22.8794, 33.0615,
46.7706

■ 259.6519,
315.9268, 390.2653

■ 14.6247, 22.1736,
32.5013

■ 47.6633, 64.4715,
86.7175

■ 8.6410, 13.9845,
21.4767

■ 64.9233, 85.7624,
113.2322

■ 4.5630, 8.1099,
13.2783

■ 85.9157, 111.2897,
144.6657

■ 2.0253, 4.1653,
7.4875

■ 111.0059,
141.4379, 181.4366

■ 0.6481, 1.7665,
3.6858

■ 140.5592,
176.5913, 223.9635

■ 0.0000, 0.4661,
1.4546

■ 174.9411,

■ 0.0000, 0.0000,

217.1343, 272.6649

0.1837

214.5169,
263.4513, 327.9593

■ 0.0000, 0.0000,
0.0000

■ 22.8794, 33.0615,
46.7706

■ 22.8794, 33.0615,
46.7706

■ 22.8798, 33.0622,
46.7713

■ 23.2013, 33.3422,
46.8084

■ 23.7418, 33.7352,
46.8558

■ 24.5864, 34.2853,
46.9175

■ 25.7750, 35.0131,
46.9953

■ 27.3416, 35.9361,
47.0909

■ 29.3161, 37.0697,
47.2056

■ 31.7252, 38.4277,
47.3408

■ 34.5937, 40.0229,
47.4975

■ 37.9441, 41.8669,
47.6768

Harmonies

Analogous

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



22.5160, 33.0615, 31.2060



22.8794, 33.0615, 46.7706



25.3829, 33.0615, 62.8973

Triad

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



22.8794, 33.0615, 46.7706



39.7805, 33.0615, 57.9114



33.2104, 33.0615, 14.4160

Complementary

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



22.8794, 33.0615, 46.7706



18.1757, 9.4349, 0.8641

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.



38.3547, 33.0615, 18.1264



22.8794, 33.0615, 46.7706



42.4171, 33.0615, 41.2578

Square

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



22.8794, 33.0615, 46.7706



34.9892, 33.0615, 70.4679



41.8682, 33.0615, 27.0218



28.1095, 33.0615, 15.1298

Rectangle

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



22.8794, 33.0615, 46.7706



28.1000, 33.0615, 70.4512



41.8682, 33.0615, 27.0218



35.0002, 33.0615, 15.1358

Sweetspot

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



22.8804, 33.0627, 46.7714



56.5684, 68.6821, 84.7708



15.7391, 31.4515, 5.3269



11.8579, 14.6591, 18.3488



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.



22.8804, 33.0627, 46.7714



40.9530, 59.1656, 83.7570



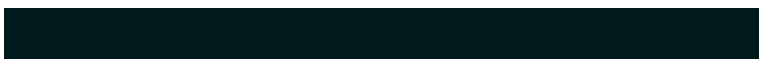
11.2297, 9.7614, 42.8878



8.7259, 9.5979, 10.8990



16.5833, 23.9670, 33.8891



0.5269, 0.7644, 1.0680

Inverse Universe

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



25.6752, 12.3652, 40.5700



45.9701, 22.1393, 72.5952



21.9130, 16.9096, 2.1099



8.8416, 8.6433, 10.6642



18.6051, 8.9596, 29.4104



0.5880, 0.2829, 0.9390

Previews

White Background



This preview shows how the XYZ color 22.8794, 33.0615, 46.7706 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 22.8794, 33.0615, 46.7706 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

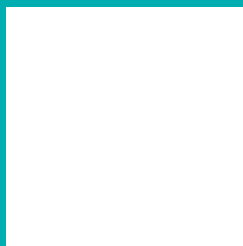
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8794, 33.0615, 46.7706

Background



This preview shows how black text looks on a background with the XYZ color 22.8794, 33.0615, 46.7706.

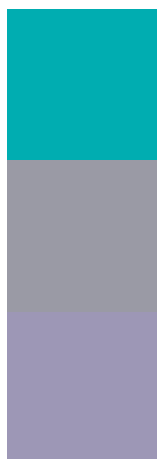


This preview shows how white text looks on a background with the XYZ color 22.8794, 33.0615,

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

22.8794, 33.0615, 46.7706

Protanopia

31.6736, 32.6978, 40.2392

Deuteranopia

33.4147, 32.6787, 48.8024



Tritanopia

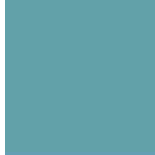
24.0674, 33.2832, 51.6102

Trichromacy



Original Color

22.8794, 33.0615, 46.7706



Protanomaly

24.9433, 30.9510, 42.1956



Deuteranomaly

25.8919, 30.8009, 47.7605



Tritanomaly

23.5309, 33.0431, 49.9375

Monochromacy



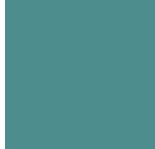
Original Color

22.8794, 33.0615, 46.7706



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 22.8794, 33.0615, 46.7706 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 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, 173, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 177) }
```

Border

The CSS property to change the border of an element to XYZ 22.8794, 33.0615, 46.7706 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, 177) }
```


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

```
.border{ border-color:rgb(0, 173, 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, 173, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8794, 33.0615, 46.7706 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, 177) }
```

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

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