

Converting Colors

XYZ(21.7929, 32.0159, 46.6301)

Have a look what the booklet for
XYZ(21.7929, 32.0159, 46.6301)
contains.

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Color

**XYZ(22.4987, 32.3001,
46.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABB1
RGB	0, 171, 177
RGB Percent	0%, 67%, 69%
CMY	0.9999, 0.3294, 0.3059
CMYK	1.00, 0.03, 0.00, 0.31
HSL	182°, 100%, 35%
HSV	182°, 100%, 69%
XYZ	22.4987, 32.3001, 46.6437
YIQ	120.5550, -103.8420, -34.3860

Conversions

Conversions Part 2

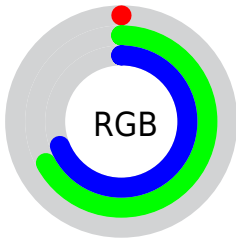
Format	Color
RYB	0, 87, 177
Decimal	43953
CIELab	63.59, -33.76, -13.54
CIELCh	64, 36.378, 201.857
Yxy	32.3001, 0.2218, 0.3184
Android (android.graphics.Color)	4278234033 (0xFF00ABB1)
YUV	120.5550, 27.8274, -105.7267
Hunter-Lab	56.8332, -28.7948, -8.8768

Details

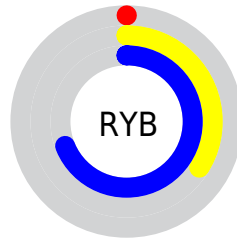
The XYZ color **22.4987, 32.3001, 46.6437** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.1974, 9.4783, 0.8714**, and the grayscale version is **17.9714, 18.9073, 20.5901**.

A 20% lighter version of the original color is **47.1068, 63.3627, 86.8382**, and **10.1165, 14.4121, 21.3174** is the 20% darker color. If you saturate the color by 10%, you get **22.4991, 32.3006, 46.6444**, and if you desaturate by 10%, it is **22.8574, 32.6543, 46.6938**.

Distribution



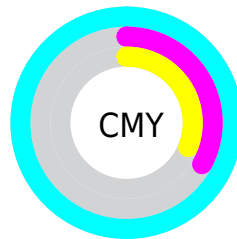
- Red (0%)
- Green (67%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- Blue (69%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4987, 32.3001, 46.6437 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 22.4987, 32.3001, 46.6437 by changing the saturation by 10% instead.

■ 22.4987, 32.3001,
46.6437

■ 22.4987, 32.3001,
46.6437

■ 257.7233,
312.4840, 389.7430

■ 14.3424, 21.5908,
32.4017

■ 47.0416, 63.2813,
86.5259

■ 8.4425, 13.5566,
21.4012

■ 64.1590, 84.3219,
113.0033

■ 4.4336, 7.8129,
13.2235

■ 84.9941, 109.5752,
144.3962

■ 1.9502, 3.9755,
7.4501

■ 109.9123,
139.4254, 181.1232

■ 0.6058, 1.6598,
3.6625

■ 139.2790,
174.2570, 223.6029

■ 0.0000, 0.3975,
1.4421

■ 173.4595,

■ 0.0000, 0.0000,

214.4544, 272.2537

0.1742

212.8192,
260.4019, 327.4942

■ 0.0000, 0.0000,
0.0000

■ 22.4987, 32.3001,
46.6437

■ 22.4987, 32.3001,
46.6437

■ 22.4991, 32.3006,
46.6444

■ 22.8574, 32.6543,
46.6938

■ 23.4349, 33.1215,
46.7535

■ 24.3169, 33.7463,
46.8276

■ 25.5432, 34.5494,
46.9180

■ 27.1477, 35.5482,
47.0262

■ 29.1604, 36.7583,
47.1537

■ 31.6080, 38.1933,
47.3017

■ 34.5153, 39.8661,
47.4713

■ 37.9048, 41.7882,
47.6637

Harmonies

Analogous

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



22.0117, 32.3001, 31.3542



22.4987, 32.3001, 46.6437



25.0546, 32.3001, 62.0722

Triad

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



22.4987, 32.3001, 46.6437



39.0396, 32.3001, 55.4277



32.1046, 32.3001, 14.1116

Complementary

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



22.4987, 32.3001, 46.6437



18.1974, 9.4783, 0.8714

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.



37.1360, 32.3001, 17.4392



22.4987, 32.3001, 46.6437



41.4186, 32.3001, 39.2820

Square

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



22.4987, 32.3001, 46.6437



34.4816, 32.3001, 68.0403



40.6861, 32.3001, 25.7503



27.2060, 32.3001, 15.0730

Rectangle

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



22.4987, 32.3001, 46.6437



27.7583, 32.3001, 69.0072



40.6861, 32.3001, 25.7503



33.8431, 32.3001, 14.7234

Sweetspot

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



22.4997, 32.3013, 46.6445



56.3548, 68.2550, 84.6996



15.7553, 31.4580, 5.4120



11.8055, 14.5542, 18.3314



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.



22.4997, 32.3013, 46.6445



40.2599, 57.7793, 83.5259



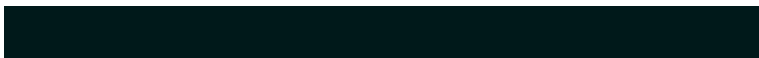
11.0005, 9.3029, 42.8114



8.7175, 9.5811, 10.8962



16.3105, 23.4213, 33.7981



0.5208, 0.7521, 1.0660

Inverse Universe

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



25.4830, 12.2883, 39.5580



45.6203, 21.9993, 70.7528



22.1717, 17.4270, 2.1961



8.8373, 8.6417, 10.6419



18.4674, 8.9045, 28.6851



0.5849, 0.2817, 0.9228

Previews

White Background



This preview shows how the XYZ color 22.4987, 32.3001, 46.6437 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 22.4987, 32.3001, 46.6437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

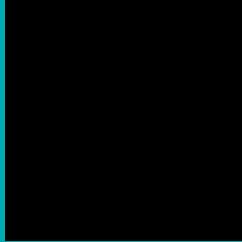
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

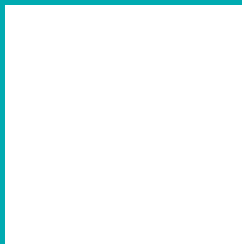
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4987, 32.3001, 46.6437

Background



This preview shows how black text looks on a background with the XYZ color 22.4987, 32.3001, 46.6437.

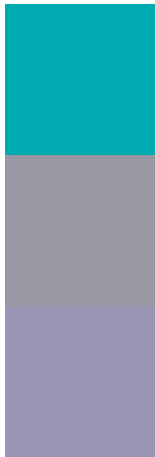


This preview shows how white text looks on a background with the XYZ color 22.4987, 32.3001,

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

22.4987, 32.3001, 46.6437

Protanopia

30.9687, 31.8485, 40.1125

Deuteranopia

32.6763, 32.0601, 48.7220



Tritanopia

23.4031, 32.4043, 50.3686

Trichromacy



Original Color

22.4987, 32.3001, 46.6437



Protanomaly

24.4893, 30.2022, 42.0750



Deuteranomaly

25.5021, 30.3457, 47.6932



Tritanomaly

22.9122, 32.1872, 48.7212

Monochromacy



Original Color

22.4987, 32.3001, 46.6437



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.1009, 21.9661, 28.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4987, 32.3001, 46.6437 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, 171, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 177) }
```

Border

The CSS property to change the border of an element to XYZ 22.4987, 32.3001, 46.6437 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, 171, 177) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4987, 32.3001, 46.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 177) }
```

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

```
.background{ background-color: rgb(0, 171,  
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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