

Converting Colors

XYZ(21.6547, 30.4025, 46.9096)

Have a look what the booklet for
XYZ(21.6547, 30.4025, 46.9096)
contains.

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Color

**XYZ(21.6971, 30.4997,
46.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	02A6B2
RGB	2, 166, 178
RGB Percent	1%, 65%, 70%
CMY	0.9920, 0.3490, 0.3020
CMYK	0.99, 0.07, 0.00, 0.30
HSL	184°, 98%, 35%
HSV	184°, 99%, 70%
XYZ	21.6971, 30.4997, 46.8630
YIQ	118.3320, -101.5960, -31.0360

Conversions

Conversions Part 2

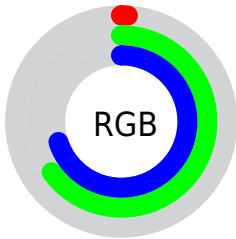
Format	Color
RYB	2, 87, 178
Decimal	173746
CIELab	62.08, -30.99, -16.38
CIELCh	62, 35.047, 207.859
Yxy	30.4997, 0.2190, 0.3079
Android (android.graphics.Color)	4278363826 (0xFF02A6B2)
YUV	118.3320, 29.4163, -102.0232
Hunter-Lab	55.2265, -26.5183, -11.6525

Details

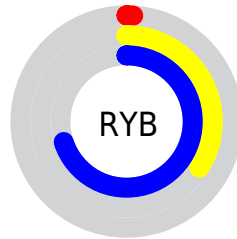
The XYZ color **21.6971, 30.4997, 46.8630** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.5289, 9.7844, 0.9703**, and the grayscale version is **17.2605, 18.1594, 19.7756**.

A 20% lighter version of the original color is **45.9023, 60.7245, 87.1436**, and **9.6068, 13.2909, 21.4611** is the 20% darker color. If you saturate the color by 10%, you get **21.6475, 30.4374, 46.8542**, and if you desaturate by 10%, it is **22.1794, 31.0780, 46.9498**.

Distribution



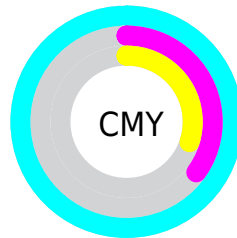
- Red (1%)
- Green (65%)
- Blue (70%)



- Red (1%)
- Yellow (34%)
- Blue (70%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)



- Cyan (99%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6971, 30.4997, 46.8630 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 21.6971, 30.4997, 46.8630 by changing the saturation by 10% instead.

■ 21.6971, 30.4997,
46.8630

■ 21.6971, 30.4997,
46.8630

■ 253.6226,
304.2268, 390.6453

■ 13.7499, 20.2182,
32.5738

■ 45.7274, 60.4515,
86.8569

■ 8.0274, 12.5537,
21.5317

■ 62.5413, 80.8906,
113.3987

■ 4.1645, 7.1220,
13.3182

■ 83.0413, 105.4844,
144.8618

■ 1.7956, 3.5385,
7.5147

■ 107.5930,
134.6172, 181.6647

■ 0.5150, 1.4189,
3.7027

■ 136.5615,
168.6734, 224.2260

■ 0.0000, 0.2306,
1.4637

■ 170.3124,

■ 0.0000, 0.0000,

208.0375, 272.9641

0.1907

209.2110,
253.0938, 328.2977

■ 0.0000, 0.0000,
0.0000

■ 21.6971, 30.4997,
46.8630

■ 21.6971, 30.4997,
46.8630

■ 21.6475, 30.4374,
46.8542

■ 22.1794, 31.0780,
46.9498

■ 22.9039, 31.7837,
47.0478

■ 23.9432, 32.6548,
47.1612

■ 25.3371, 33.7118,
47.2917

■ 27.1194, 34.9721,
47.4411

■ 29.3200, 36.4513,
47.6106

■ 31.9659, 38.1631,
47.8015

■ 35.0818, 40.1204,
48.0151

■ 38.6906, 42.3349,
48.2523

Harmonies

Analogous

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



20.8484, 30.4997, 32.2496



21.6971, 30.4997, 46.8630



24.4332, 30.4997, 60.3666

Triad

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



21.6971, 30.4997, 46.8630



37.3532, 30.4997, 49.0060



29.3287, 30.4997, 13.4490

Complementary

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



21.6971, 30.4997, 46.8630



18.5289, 9.7844, 0.9703

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.



34.0787, 30.4997, 15.7332



21.6971, 30.4997, 46.8630



39.0131, 30.4997, 34.1873

Square

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



21.6971, 30.4997, 46.8630



33.4302, 30.4997, 61.8211



37.7552, 30.4997, 22.5038



24.9597, 30.4997, 15.1518

Rectangle

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



21.6971, 30.4997, 46.8630



27.1258, 30.4997, 65.5654



37.7552, 30.4997, 22.5038



30.9357, 30.4997, 13.7590

Sweetspot

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



21.6981, 30.5008, 46.8637



57.1135, 68.6603, 86.6237



16.0237, 31.8854, 5.7170



12.2007, 14.9199, 19.1590



86.6293, 91.1408, 99.2523



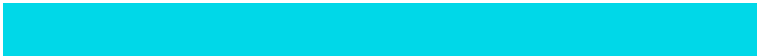
17.0014, 17.8868, 19.4787

Same Dimension

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



21.6981, 30.5008, 46.8637



39.1868, 55.0574, 84.9430



10.8060, 8.7167, 43.2331



8.6921, 9.5304, 10.8877



15.5074, 21.8152, 33.5304



0.5026, 0.7158, 1.0599

Inverse Universe

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



25.2656, 12.2624, 37.1128



45.7191, 22.1338, 66.9827



23.0980, 18.9226, 2.4933



8.8245, 8.6365, 10.5744



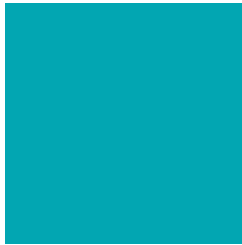
18.0621, 8.7424, 26.5507



0.5757, 0.2780, 0.8745

Previews

White Background



This preview shows how the XYZ color 21.6971, 30.4997, 46.8630 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 21.6971, 30.4997, 46.8630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

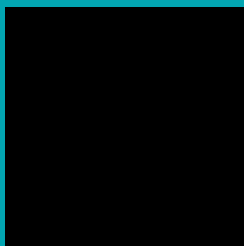
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

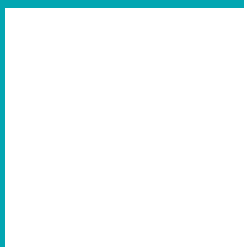
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6971, 30.4997, 46.8630

Background



This preview shows how black text looks on a background with the XYZ color 21.6971, 30.4997, 46.8630.

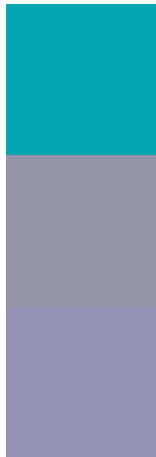


This preview shows how white text looks on a background with the XYZ color 21.6971, 30.4997,

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

21.6971, 30.4997, 46.8630

Protanopia

29.5055, 30.1360, 40.3381

Deuteranopia

30.7550, 30.1382, 48.4523



Tritanopia

21.9109, 30.5983, 47.3991

Trichromacy



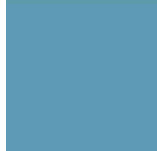
Original Color

21.6971, 30.4997, 46.8630



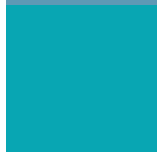
Protanomaly

23.5931, 28.7247, 42.3311



Deuteranomaly

24.3478, 28.4983, 47.9335



Tritanomaly

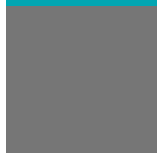
21.8730, 30.5787, 47.3973

Monochromacy



Original Color

21.6971, 30.4997, 46.8630



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.3781, 20.7579, 27.9544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6971, 30.4997, 46.8630 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(2, 166, 178)` looks like.

```
.text, #text, p{  
    color:rgb(2, 166, 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(2, 166, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 166, 178) }
```

Border

The CSS property to change the border of an element to XYZ 21.6971, 30.4997, 46.8630 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(2, 166, 178) }
```


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

```
.border{ border-color:rgb(2, 166, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 166, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 166, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 166, 178);  
box-shadow:4px 4px 4px 4px rgb(2, 166,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6971, 30.4997, 46.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 166, 178) }
```

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

```
.background{ background-color: rgb(2, 166,  
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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