

Converting Colors

XYZ(18.2389, 28.1233, 50.0248)

Have a look what the booklet for
XYZ(18.2389, 28.1233, 50.0248)
contains.

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Color

**XYZ(21.9272, 30.0116,
49.9845)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4B8
RGB	0, 164, 184
RGB Percent	0%, 64%, 72%
CMY	0.9998, 0.3569, 0.2784
CMYK	1.00, 0.11, 0.00, 0.28
HSL	187°, 100%, 36%
HSV	187°, 100%, 72%
XYZ	21.9272, 30.0116, 49.9845
YIQ	117.2440, -104.1640, -28.5480

Conversions

Conversions Part 2

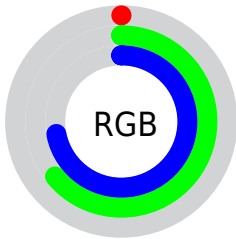
Format	Color
RYB	0, 87, 184
Decimal	42168
CIELab	61.66, -28.10, -20.38
CIELCh	62, 34.716, 215.949
Yxy	30.0116, 0.2151, 0.2945
Android (android.graphics.Color)	4278232248 (0xFF00A4B8)
YUV	117.2440, 32.9107, -102.8230
Hunter-Lab	54.7828, -24.4242, -15.7489

Details

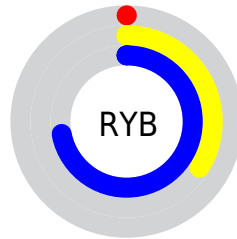
The XYZ color **21.9272, 30.0116, 49.9845** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.0184, 10.6922, 1.0098**, and the grayscale version is **16.9123, 17.7931, 19.3767**.

A 20% lighter version of the original color is **45.9895, 59.4957, 91.4980**, and **9.8909, 13.2270, 23.5045** is the 20% darker color. If you saturate the color by 10%, you get **21.9269, 30.0109, 49.9850**, and if you desaturate by 10%, it is **22.5462, 30.8669, 50.1175**.

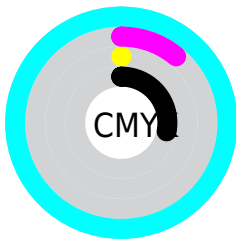
Distribution



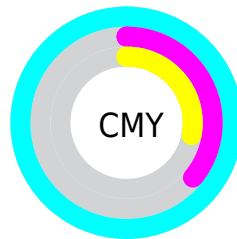
- Red (0%)
- Green (64%)
- Blue (72%)



- Red (0%)
- Yellow (34%)
- Blue (72%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (36%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9272, 30.0116, 49.9845 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 21.9272, 30.0116, 49.9845 by changing the saturation by 10% instead.

■ 21.9272, 30.0116,
49.9845

■ 21.9272, 30.0116,
49.9845

■ 254.8054,
301.9585, 403.3387

■ 13.9197, 19.8474,
35.0300

■ 46.1054, 59.6805,
91.5480

■ 8.1462, 12.2842,
23.4022

■ 63.0068, 79.9540,
118.9940

■ 4.2412, 6.9375,
14.6827

■ 83.6036, 104.3661,
151.4410

■ 1.8395, 3.4231,
8.4529

■ 108.2611,
133.3011, 189.3074

■ 0.5413, 1.3564,
4.2942

■ 137.3447,
167.1434, 233.0119

■ 0.0000, 0.1842,
1.7881

■ 171.2197,

■ 0.0000, 0.0000,

206.2775, 282.9729

0.4201

210.2515,
251.0878, 339.6090

■ 0.0000, 0.0000,
0.0000

■ 21.9272, 30.0116,
49.9845

■ 21.9272, 30.0116,
49.9845

■ 21.9269, 30.0109,
49.9850

■ 22.5462, 30.8669,
50.1175

■ 23.4122, 31.8574,
50.2631

■ 24.6158, 33.0303,
50.4260

■ 26.2013, 34.4086,
50.6085

■ 28.2062, 36.0116,
50.8123

■ 30.6632, 37.8562,
51.0388

■ 33.6020, 39.9578,
51.2896

■ 37.0497, 42.3303,
51.5658

■ 41.0313, 44.9868,
51.8687

Harmonies

Analogous

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



20.5776, 30.0116, 35.3833



21.9272, 30.0116, 49.9845



25.0591, 30.0116, 61.8152

Triad

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



21.9272, 30.0116, 49.9845



37.4208, 30.0116, 44.1685



27.6152, 30.0116, 13.3569

Complementary

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



21.9272, 30.0116, 49.9845



20.0184, 10.6922, 1.0098

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.



32.2969, 30.0116, 14.5295



21.9272, 30.0116, 49.9845



38.2935, 30.0116, 30.1134

Square

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



21.9272, 30.0116, 49.9845



34.0587, 30.0116, 57.8728



36.3293, 30.0116, 19.9125



23.6260, 30.0116, 16.1187

Rectangle

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



21.9272, 30.0116, 49.9845



27.9028, 30.0116, 65.1512



36.3293, 30.0116, 19.9125



29.1566, 30.0116, 13.3165

Sweetspot

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



21.9282, 30.0127, 49.9852



60.6110, 72.2224, 92.9504



17.2540, 34.3268, 6.3075



12.5667, 15.2158, 19.9962



88.6918, 93.3107, 101.6153



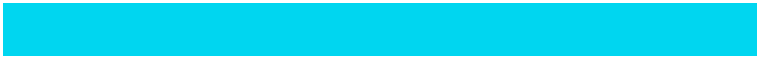
17.8044, 18.7317, 20.3988

Same Dimension

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



21.9282, 30.0127, 49.9852



39.6396, 54.1855, 90.5742



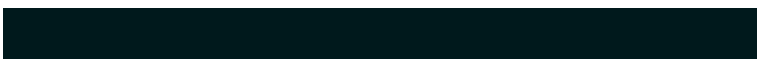
11.0761, 8.3085, 46.3679



9.1811, 10.0393, 11.5333



15.1433, 20.7462, 34.4594



0.5578, 0.7794, 1.2228

Inverse Universe

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



26.4689, 12.8717, 36.2124



47.9253, 23.3096, 65.3520



25.3886, 21.4324, 2.7999



9.3377, 9.1455, 11.1259



18.2573, 8.8767, 25.0395



0.6557, 0.3178, 0.9465

Previews

White Background



This preview shows how the XYZ color 21.9272, 30.0116, 49.9845 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9272, 30.0116, 49.9845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

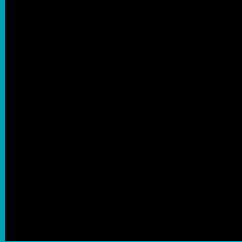
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.9272, 30.0116, 49.9845

Background



This preview shows how black text looks on a background with the XYZ color 21.9272, 30.0116, 49.9845.



This preview shows how white text looks on a background with the XYZ color 21.9272, 30.0116,

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

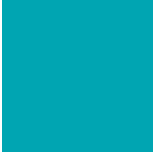
21.9272, 30.0116, 49.9845

Protanopia

29.2078, 29.6856, 43.2202

Deuteranopia

30.1870, 29.5444, 51.6886



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

21.9272, 30.0116, 49.9845



Protanomaly

23.5421, 28.1412, 45.2653



Deuteranomaly

24.4143, 28.2180, 51.1736



Tritanomaly

21.6934, 30.2056, 47.8669

Monochromacy



Original Color

21.9272, 30.0116, 49.9845



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.1569, 20.4291, 28.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9272, 30.0116, 49.9845 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, 164, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 184)  
}
```

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, 164, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.9272, 30.0116, 49.9845 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, 164, 184) }
```


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

```
.border{ border-color:rgb(0, 164, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9272, 30.0116, 49.9845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 184) }
```

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

```
.background{ background-color: rgb(0, 164,  
184) }
```

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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