

Converting Colors

XYZ(21.7190, 29.9283, 48.8880)

Have a look what the booklet for
XYZ(21.7190, 29.9283, 48.8880)
contains.

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Color

**XYZ(21.7190, 29.9283,
48.8880)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4B6
RGB	0, 164, 182
RGB Percent	0%, 64%, 71%
CMY	0.9998, 0.3569, 0.2863
CMYK	1.00, 0.10, 0.00, 0.29
HSL	186°, 100%, 36%
HSV	186°, 100%, 71%
XYZ	21.7190, 29.9283, 48.8880
YIQ	117.0160, -103.5220, -29.1700

Conversions

Conversions Part 2

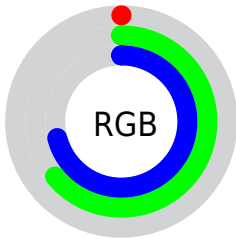
Format	Color
RYB	0, 86, 182
Decimal	42166
CIELab	61.59, -28.77, -19.37
CIELCh	62, 34.680, 213.951
Yxy	29.9283, 0.2160, 0.2977
Android (android.graphics.Color)	4278232246 (0xFF00A4B6)
YUV	117.0160, 32.0371, -102.6230
Hunter-Lab	54.7068, -24.8710, -14.6890

Details

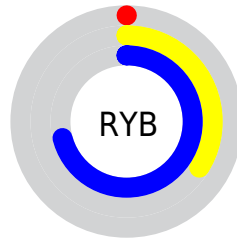
The XYZ color **21.7190, 29.9283, 48.8880** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.5088, 10.3792, 0.9763**, and the grayscale version is **16.8445, 17.7217, 19.2989**.

A 20% lighter version of the original color is **45.6939, 59.3775, 89.9416**, and **9.7566, 13.1733, 22.7974** is the 20% darker color. If you saturate the color by 10%, you get **21.7187, 29.9277, 48.8885**, and if you desaturate by 10%, it is **22.2979, 30.7090, 49.0088**.

Distribution



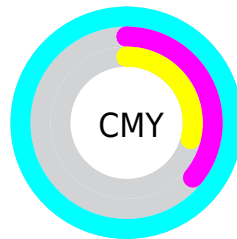
- Red (0%)
- Green (64%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7190, 29.9283, 48.8880 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 21.7190, 29.9283, 48.8880 by changing the saturation by 10% instead.

■ 21.7190, 29.9283,
48.8880

■ 21.7190, 29.9283,
48.8880

■ 253.7353,
301.5701, 398.9110

■ 13.7660, 19.7842,
34.1657

■ 45.7634, 59.5488,
89.9044

■ 8.0387, 12.2383,
22.7425

■ 62.5856, 79.7939,
117.0355

■ 4.1717, 6.9062,
14.2000

■ 83.0949, 104.1748,
149.1399

■ 1.7998, 3.4035,
8.1196

■ 107.6566,
133.0759, 186.6362

■ 0.5175, 1.3458,
4.0827

■ 136.6362,
166.8816, 229.9429

■ 0.0000, 0.1763,
1.6708

■ 170.3989,

■ 0.0000, 0.0000,

205.9763, 279.4786

0.3406

209.3102,
250.7443, 335.6618

■ 0.0000, 0.0000,
0.0000

■ 21.7190, 29.9283,
48.8880

■ 21.7190, 29.9283,
48.8880

■ 21.7187, 29.9277,
48.8885

■ 22.2979, 30.7090,
49.0088

■ 23.1161, 31.6193,
49.1413

■ 24.2627, 32.7057,
49.2906

■ 25.7806, 33.9904,
49.4586

■ 27.7064, 35.4922,
49.6470

■ 30.0719, 37.2277,
49.8573

■ 32.9061, 39.2116,
50.0908

■ 36.2351, 41.4577,
50.3489

■ 40.0835, 43.9785,
50.6326

Harmonies

Analogous

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



20.4999, 29.9283, 34.3644



21.7190, 29.9283, 48.8880



24.7344, 29.9283, 61.0690

Triad

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



21.7190, 29.9283, 48.8880



37.1595, 29.9283, 45.0306



27.8406, 29.9283, 13.2794

Complementary

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



21.7190, 29.9283, 48.8880



19.5088, 10.3792, 0.9763

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.



32.5114, 29.9283, 14.7098



21.7190, 29.9283, 48.8880



38.2184, 29.9283, 30.8717

Square

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



21.7190, 29.9283, 48.8880



33.6796, 29.9283, 58.4530



36.4356, 29.9283, 20.3837



23.7847, 29.9283, 15.7614

Rectangle

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



21.7190, 29.9283, 48.8880



27.5236, 29.9283, 64.8427



36.4356, 29.9283, 20.3837



29.3887, 29.9283, 13.3239

Sweetspot

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



21.7200, 29.9294, 48.8887



59.3631, 70.8870, 90.7895



16.8164, 33.4917, 6.0378



12.6151, 15.3126, 20.0123



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.



21.7200, 29.9294, 48.8887



39.2766, 54.0605, 88.6003



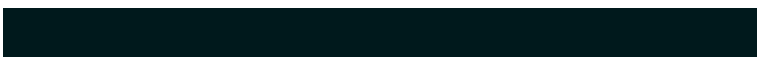
11.0188, 8.5270, 45.3217



9.1887, 10.0547, 11.5359



15.3647, 21.1890, 34.5332



0.5637, 0.7912, 1.2247

Inverse Universe

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



25.9931, 12.6265, 36.1901



47.0734, 22.8697, 65.3454



24.4649, 20.2914, 2.6284



9.3416, 9.1470, 11.1463



18.3691, 8.9214, 25.6280



0.6587, 0.3190, 0.9622

Previews

White Background



This preview shows how the XYZ color 21.7190, 29.9283, 48.8880 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 21.7190, 29.9283, 48.8880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

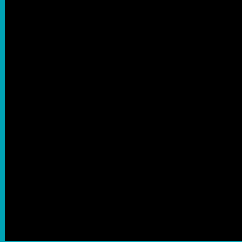
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7190, 29.9283, 48.8880

Background



This preview shows how black text looks on a background with the XYZ color 21.7190, 29.9283, 48.8880.

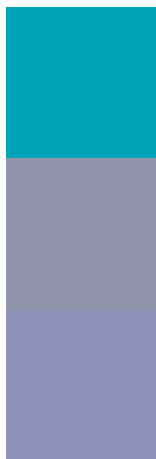


This preview shows how white text looks on a background with the XYZ color 21.7190, 29.9283,

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

21.7190, 29.9283, 48.8880

Protanopia

29.1910, 29.6990, 42.2242

Deuteranopia

30.1437, 29.5468, 50.5687



Tritanopia

21.3113, 29.7653, 46.7415

Trichromacy



Original Color

21.7190, 29.9283, 48.8880



Protanomaly

23.4448, 28.1138, 44.2352



Deuteranomaly

24.2016, 28.1329, 50.0536



Tritanomaly

21.4121, 29.8056, 47.2723

Monochromacy



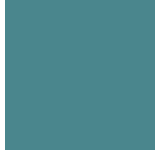
Original Color

21.7190, 29.9283, 48.8880



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 21.7190, 29.9283, 48.8880 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.7190, 29.9283, 48.8880 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, 182) }
```


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

```
.border{ border-color:rgb(0, 164, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7190, 29.9283, 48.8880 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, 182) }
```

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

```
.background{ background-color: rgb(0, 164,  
182) }
```

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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