

Converting Colors

XYZ(21.1536, 28.1010, 50.8472)

Have a look what the booklet for
XYZ(21.1536, 28.1010, 50.8472)
contains.

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Color

**XYZ(21.0898, 27.9989,
50.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	009EBA
RGB	0, 158, 186
RGB Percent	0%, 62%, 73%
CMY	0.9999, 0.3804, 0.2706
CMYK	1.00, 0.15, 0.00, 0.27
HSL	189°, 100%, 36%
HSV	189°, 100%, 73%
XYZ	21.0898, 27.9989, 50.7472
YIQ	113.9500, -103.1560, -24.7880

Conversions

Conversions Part 2

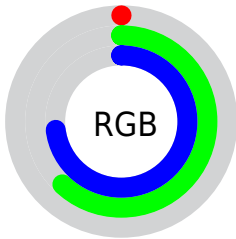
Format	Color
RYB	0, 85, 186
Decimal	40634
CIELab	59.89, -24.40, -24.22
CIELCh	60, 34.383, 224.792
Yxy	27.9989, 0.2112, 0.2804
Android (android.graphics.Color)	4278230714 (0xFF009EBA)
YUV	113.9500, 35.5207, -99.9341
Hunter-Lab	52.9140, -21.4552, -19.8223

Details

The XYZ color **21.0898, 27.9989, 50.7472** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.6663, 11.2716, 1.0875**, and the grayscale version is **15.9020, 16.7301, 18.2191**.

A 20% lighter version of the original color is **44.7510, 56.5407, 92.5592**, and **9.3877, 12.0015, 24.0120** is the 20% darker color. If you saturate the color by 10%, you get **21.0893, 27.9977, 50.7475**, and if you desaturate by 10%, it is **21.8350, 29.1008, 50.9212**.

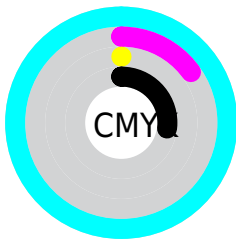
Distribution



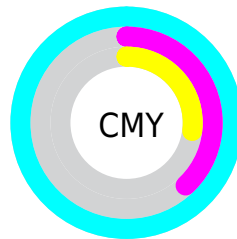
- Red (0%)
- Green (62%)
- Blue (73%)



- Red (0%)
- Yellow (33%)
- Blue (73%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0898, 27.9989, 50.7472 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 21.0898, 27.9989, 50.7472 by changing the saturation by 10% instead.

■ 21.0898, 27.9989,
50.7472

■ 21.0898, 27.9989,
50.7472

■ 250.4780,
292.4617, 406.3993

■ 13.3025, 18.3248,
35.6321

■ 44.7271, 56.4827,
92.6887

■ 7.7156, 11.1834,
23.8628

■ 61.3078, 76.0612,
120.3521

■ 3.9638, 6.1904,
15.0206

■ 81.5503, 99.7100,
153.0355

■ 1.6817, 2.9612,
8.6871

■ 105.8200,
127.8134, 191.1572

■ 0.4448, 1.1115,
4.4436

■ 134.4823,
160.7559, 235.1359

■ 0.0000, 0.0000,
1.8717

■ 167.9025,

■ 0.0000, 0.0000,

198.9218, 285.3902

0.4747

206.4460,
242.6956, 342.3384

■ 0.0000, 0.0000,
0.0000

■ 21.0898, 27.9989,
50.7472

■ 21.0898, 27.9989,
50.7472

■ 21.0893, 27.9977,
50.7475

■ 21.8350, 29.1008,
50.9212

■ 22.8391, 30.3520,
51.1097

■ 24.1946, 31.8007,
51.3179

■ 25.9469, 33.4704,
51.5479

■ 28.1345, 35.3811,
51.8014

■ 30.7912, 37.5503,
52.0800

■ 33.9476, 39.9939,
52.3853

■ 37.6313, 42.7262,
52.7186

■ 41.8683, 45.7607,
53.0810

Harmonies

Analogous

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



19.2949, 27.9989, 37.0430



21.0898, 27.9989, 50.7472



24.4708, 27.9989, 60.0566

Triad

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



21.0898, 27.9989, 50.7472



35.5594, 27.9989, 37.2354



24.5266, 27.9989, 12.6527

Complementary

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



21.0898, 27.9989, 50.7472



20.6663, 11.2716, 1.0875

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.



28.8748, 27.9989, 12.6778



21.0898, 27.9989, 50.7472



35.5785, 27.9989, 24.7524

Square

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



21.0898, 27.9989, 50.7472



32.9732, 27.9989, 50.9208



33.0230, 27.9989, 16.4948



21.1267, 27.9989, 16.4130

Rectangle

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



21.0898, 27.9989, 50.7472



27.3193, 27.9989, 61.2552



33.0230, 27.9989, 16.4948



25.9172, 27.9989, 12.2604

Sweetspot

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



21.0907, 27.9999, 50.7479



61.2126, 72.2489, 94.9206



17.7684, 35.2020, 6.9525



12.9256, 15.4858, 20.8504



90.7827, 95.5105, 104.0109



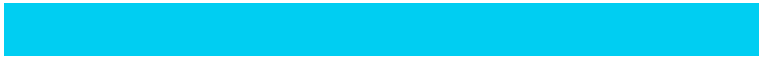
18.6292, 19.5994, 21.3438

Same Dimension

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



21.0907, 27.9999, 50.7479



38.0821, 50.4609, 91.9342



10.7610, 7.3404, 47.3046



9.1484, 9.9740, 11.5224



14.2316, 18.9229, 34.1555



0.5333, 0.7302, 1.2146

Inverse Universe

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



26.4221, 12.9087, 33.4477



47.8172, 23.3669, 60.2402



27.0771, 24.0931, 3.2244



9.3212, 9.1389, 11.0391



17.7971, 8.6926, 22.6163



0.6433, 0.3128, 0.8812

Previews

White Background



This preview shows how the XYZ color 21.0898, 27.9989, 50.7472 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 21.0898, 27.9989, 50.7472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

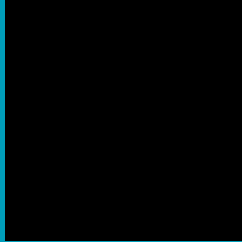
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0898, 27.9989, 50.7472

Background



This preview shows how black text looks on a background with the XYZ color 21.0898, 27.9989, 50.7472.

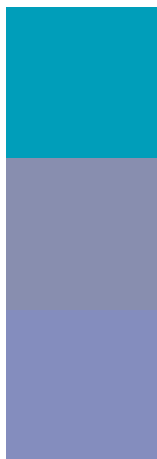


This preview shows how white text looks on a background with the XYZ color 21.0898, 27.9989,

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

21.0898, 27.9989, 50.7472

Protanopia

27.5642, 27.6754, 44.4465

Deuteranopia

28.3349, 27.6730, 52.5632



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



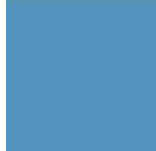
Original Color

21.0898, 27.9989, 50.7472



Protanomaly

22.6571, 26.4607, 46.5611



Deuteranomaly

23.2752, 26.4264, 52.0182



Tritanomaly

20.3339, 27.9706, 45.9221

Monochromacy



Original Color

21.0898, 27.9989, 50.7472



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.4639, 19.2752, 27.7164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0898, 27.9989, 50.7472 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, 158, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 186)  
}
```

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, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 186) }
```

Border

The CSS property to change the border of an element to XYZ 21.0898, 27.9989, 50.7472 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, 158, 186) }
```


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

```
.border{ border-color:rgb(0, 158, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0898, 27.9989, 50.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 186) }
```

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

```
.background{ background-color: rgb(0, 158,  
186) }
```

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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