

# Converting Colors

XYZ(21.7000, 26.9060, 58.0825)

Have a look what the booklet for  
XYZ(21.7000, 26.9060, 58.0825)  
contains.

<b>XYZ(21.7000, 26.9060, 58.0825)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(21.7000, 26.9060,  
58.0825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0099C7
RGB	0, 153, 199
RGB Percent	0%, 60%, 78%
CMY	0.9998, 0.4000, 0.2196
CMYK	1.00, 0.23, 0.00, 0.22
HSL	194°, 100%, 39%
HSV	194°, 100%, 78%
XYZ	21.7000, 26.9060, 58.0825
YIQ	112.4970, -105.9540, -18.1300

# Conversions

## Conversions Part 2

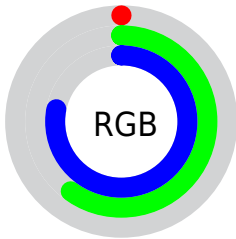
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 86, 199
Decimal	39367
CIE <sub>Lab</sub>	58.89, -17.20, -33.09
CIE <sub>LCh</sub>	59, 37.289, 242.537
Y <sub>xy</sub>	26.9060, 0.2034, 0.2522
Android (android.graphics.Color)	4278229447 (0xFF0099C7)
Y <sub>UV</sub>	112.4970, 42.6460, -98.6599
Hunter-Lab	51.8710, -16.0996, -30.0802

# Details

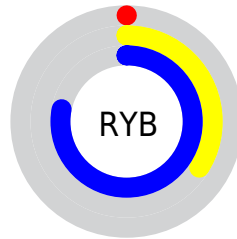
The XYZ color **21.7000, 26.9060, 58.0825** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.5321, 14.0993, 1.4296**, and the grayscale version is **15.4517, 16.2564, 17.7032**.

A 20% lighter version of the original color is **45.5084, 54.4983, 102.7284**, and **9.8622, 11.5471, 28.4971** is the 20% darker color. If you saturate the color by 10%, you get **21.6990, 26.9037, 58.0827**, and if you desaturate by 10%, it is **22.7554, 28.5901, 58.3525**.

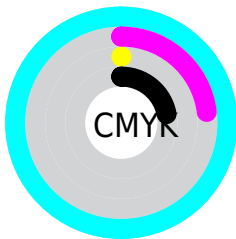
# Distribution



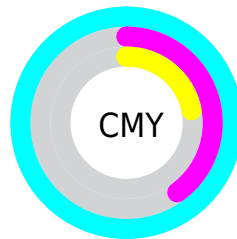
- Red (0%)
- Green (60%)
- Blue (78%)



- Red (0%)
- Yellow (34%)
- Blue (78%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (40%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7000, 26.9060, 58.0825 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 21.7000, 26.9060, 58.0825 by changing the saturation by 10% instead.



■ 21.7000, 26.9060,  
58.0825

■ 21.7000, 26.9060,  
58.0825

253.6375,  
287.2017, 435.1001

■ 13.7520, 17.5026,  
41.4598

■ 45.7322, 54.7330,  
103.5590

■ 8.0289, 10.5935,  
28.3562

■ 62.5471, 73.9254,  
133.2498

■ 4.1654, 5.7942,  
18.3529

■ 83.0484, 97.1496,  
168.1338

■ 1.7961, 2.7204,  
11.0316

■ 107.6014,  
124.7901, 208.6296

■ 0.5153, 0.9875,  
5.9737

■ 136.5714,  
157.2311, 255.1555

■ 0.0000, 0.0000,  
2.7605

170.3239,

■ 0.0000, 0.0000,

194.8571, 308.1302

0.9737

209.2241,  
238.0525, 367.9722

■ 0.0000, 0.0000,  
0.0000

■ 21.7000, 26.9060,  
58.0825

■ 21.7000, 26.9060,  
58.0825

■ 21.6990, 26.9037,  
58.0827

■ 22.7554, 28.5901,  
58.3525

■ 24.1340, 30.4839,  
58.6454

■ 25.9396, 32.6419,  
58.9667

■ 28.2264, 35.0925,  
59.3192

■ 31.0401, 37.8597,  
59.7050

■ 34.4211, 40.9647,  
60.1262

■ 38.4056, 44.4266,  
60.5844

■ 43.0265, 48.2630,  
61.0813

■ 48.3146, 52.4899,  
61.6185

# Harmonies

## Analogous

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



18.8057, 26.9060, 45.1783



21.7000, 26.9060, 58.0825



25.9677, 26.9060, 62.6731

# Triad

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



21.7000, 26.9060, 58.0825



35.4885, 26.9060, 28.1866



21.0965, 26.9060, 12.6848

# Complementary

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



21.7000, 26.9060, 58.0825



24.5321, 14.0993, 1.4296

# 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.



25.1830, 26.9060, 10.5511



21.7000, 26.9060, 58.0825



33.7963, 26.9060, 17.6550

# Square

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



21.7000, 26.9060, 58.0825



34.2710, 26.9060, 42.6298



29.8822, 26.9060, 12.0525



18.4879, 26.9060, 19.0804



# Rectangle

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



21.7000, 26.9060, 58.0825



29.1230, 26.9060, 59.5494



29.8822, 26.9060, 12.0525



22.3246, 26.9060, 11.5498

# Sweetspot

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



21.7009, 26.9069, 58.0832



66.9001, 77.4944, 106.0396



20.8629, 41.0230, 9.1184



13.6567, 16.0179, 22.6219



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

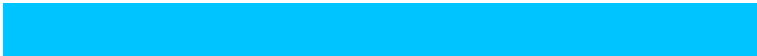


# Same Dimension

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



21.7009, 26.9069, 58.0832



37.8002, 46.7203, 101.6334



11.7436, 6.9922, 54.7641



10.7308, 11.6357, 13.5978



14.0219, 17.4378, 37.3712



0.7161, 0.9300, 1.7869



# Inverse Universe

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



29.3038, 14.4431, 31.3811



51.2090, 25.2476, 54.4259



33.3204, 31.6758, 4.3590



10.9742, 10.7730, 12.8472



18.8770, 9.3003, 20.3597



0.9202, 0.4509, 1.1027



# Previews

## White Background



This preview shows how the XYZ color 21.7000, 26.9060, 58.0825 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 21.7000, 26.9060, 58.0825 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

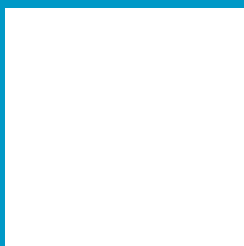
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 21.7000, 26.9060, 58.0825**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.7000, 26.9060, 58.0825.



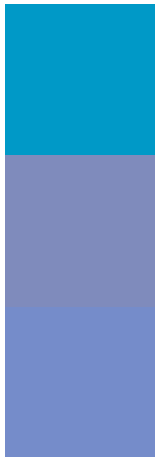
This preview shows how white text looks on a background with the XYZ color 21.7000, 26.9060,



# 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

21.7000, 26.9060, 58.0825

### Protanopia

27.0621, 26.6081, 51.2865

### Deuteranopia

27.3749, 26.8023, 59.6077



## Tritanopia

19.2184, 26.9785, 41.7306

# Trichromacy



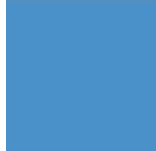
## Original Color

21.7000, 26.9060, 58.0825



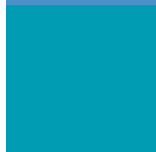
## Protanomaly

22.8810, 25.5016, 53.5855



## Deuteranomaly

23.4921, 25.9237, 59.0239



## Tritanomaly

20.1267, 27.0722, 47.3447

# Monochromacy



## Original Color

21.7000, 26.9060, 58.0825



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

15.4257, 18.8297, 29.2070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.7000, 26.9060, 58.0825 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, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 199)  
}
```

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, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 21.7000, 26.9060, 58.0825 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, 153, 199) }
```



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

```
.border{ border-color:rgb(0, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.7000, 26.9060, 58.0825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 199) }
```

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

```
.background{ background-color: rgb(0, 153,  
199) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor