

Converting Colors

XYZ(21.9684, 27.0301, 59.4441)

Have a look what the booklet for
XYZ(21.9684, 27.0301, 59.4441)
contains.

XYZ(21.9338, 26.9995, 59.3137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(21.9338, 26.9995,
59.3137)**

Conversions

Conversions Part 1

Format	Color
Hex	0099C9
RGB	0, 153, 201
RGB Percent	0%, 60%, 79%
CMY	0.9998, 0.4000, 0.2118
CMYK	1.00, 0.24, 0.00, 0.21
HSL	194°, 100%, 39%
HSV	194°, 100%, 79%
XYZ	21.9338, 26.9995, 59.3137
YIQ	112.7250, -106.5960, -17.5080

Conversions

Conversions Part 2

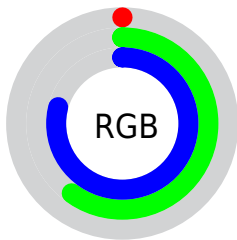
Format	Color
RYB	0, 87, 201
Decimal	39369
CIELab	58.97, -16.48, -34.08
CIELCh	59, 37.850, 244.195
Yxy	26.9995, 0.2026, 0.2494
Android (android.graphics.Color)	4278229449 (0xFF0099C9)
YUV	112.7250, 43.5196, -98.8598
Hunter-Lab	51.9610, -15.5834, -31.3070

Details

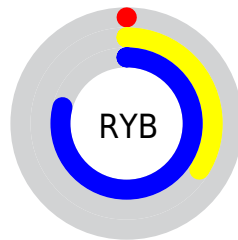
The XYZ color **21.9338, 26.9995, 59.3137** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.1464, 14.5349, 1.4813**, and the grayscale version is **15.5165, 16.3246, 17.7775**.

A 20% lighter version of the original color is **45.5084, 54.4983, 102.7284**, and **10.0178, 11.6093, 29.3166** is the 20% darker color. If you saturate the color by 10%, you get **21.9327, 26.9970, 59.3138**, and if you desaturate by 10%, it is **23.0273, 28.7538, 59.5952**.

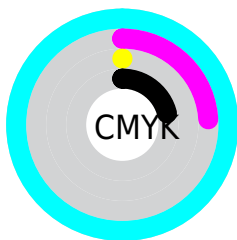
Distribution



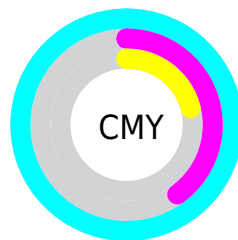
- Red (0%)
- Green (60%)
- Blue (79%)



- Red (0%)
- Yellow (34%)
- Blue (79%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (40%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9338, 26.9995, 59.3137 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 21.9338, 26.9995, 59.3137 by changing the saturation by 10% instead.

■ 21.9338, 26.9995,
59.3137

■ 21.9338, 26.9995,
59.3137

254.8392,
287.6547, 439.7977

■ 13.9246, 17.5728,
42.4440

■ 46.1162, 54.8831,
105.3671

■ 8.1496, 10.6438,
29.1210

■ 63.0202, 74.1088,
135.3878

■ 4.2434, 5.8278,
18.9260

■ 83.6197, 97.3696,
170.6294

■ 1.8408, 2.7407,
11.4405

■ 108.2802,
125.0500, 211.5102

■ 0.5420, 0.9979,
6.2461

■ 137.3671,
157.5343, 258.4489

■ 0.0000, 0.0000,
2.9241

171.2457,

■ 0.0000, 0.0000,

195.2069, 311.8641

1.0560

210.2812,
238.4522, 372.1741

■ 0.0000, 0.0000,
0.0000

■ 21.9338, 26.9995,
59.3137

■ 21.9338, 26.9995,
59.3137

■ 21.9327, 26.9970,
59.3138

■ 23.0273, 28.7538,
59.5952

■ 24.4541, 30.7269,
59.9009

■ 26.3198, 32.9743,
60.2363

■ 28.6800, 35.5251,
60.6043

■ 31.5816, 38.4041,
61.0071

■ 35.0661, 41.6331,
61.4467

■ 39.1705, 45.2316,
61.9249

■ 43.9288, 49.2178,
62.4436

■ 49.3723, 53.6083,
63.0041

Harmonies

Analogous

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



18.9032, 26.9995, 46.4306



21.9338, 26.9995, 59.3137



26.3275, 26.9995, 63.4056

Triad

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



21.9338, 26.9995, 59.3137



35.7463, 26.9995, 27.5489



20.9208, 26.9995, 12.7937

Complementary

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



21.9338, 26.9995, 59.3137



25.1464, 14.5349, 1.4813

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.



25.0082, 26.9995, 10.4321



21.9338, 26.9995, 59.3137



33.8662, 26.9995, 17.1419

Square

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



21.9338, 26.9995, 59.3137



34.6661, 26.9995, 42.1329



29.7909, 26.9995, 11.7392



18.3703, 26.9995, 19.5285

Rectangle

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



21.9338, 26.9995, 59.3137



29.5380, 26.9995, 59.8046



29.7909, 26.9995, 11.7392



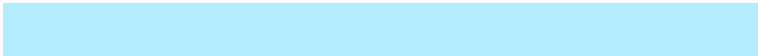
22.1412, 26.9995, 11.5737

Sweetspot

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



21.9348, 27.0004, 59.3144



66.7306, 77.1553, 105.9831



21.3991, 41.9786, 9.6569



13.6159, 15.9363, 22.6083



0.0000, 0.0000, 0.0000



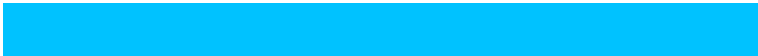
20.3446, 21.4041, 23.3091

Same Dimension

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



21.9348, 27.0004, 59.3144



37.3627, 45.8453, 101.4876



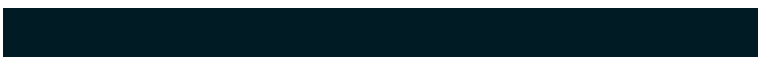
11.8452, 6.8214, 55.9512



10.7238, 11.6216, 13.5955



13.8641, 17.1220, 37.3185



0.7098, 0.9174, 1.7848

Inverse Universe

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



29.8380, 14.7185, 31.4061



50.9881, 25.1593, 53.2630



34.5857, 33.4133, 4.6277



10.9706, 10.7716, 12.8284



18.7973, 9.2685, 19.9401



0.9170, 0.4496, 1.0859

Previews

White Background



This preview shows how the XYZ color 21.9338, 26.9995, 59.3137 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 21.9338, 26.9995, 59.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

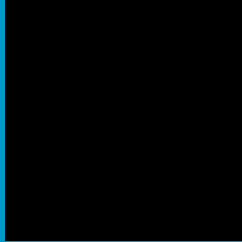
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9338, 26.9995, 59.3137

Background



This preview shows how black text looks on a background with the XYZ color 21.9338, 26.9995, 59.3137.

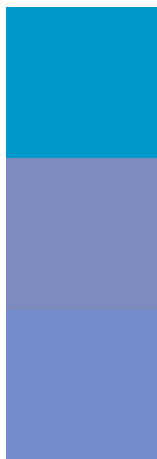


This preview shows how white text looks on a background with the XYZ color 21.9338, 26.9995,

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

21.9338, 26.9995, 59.3137

Protanopia

27.2793, 26.6950, 52.4301

Deuteranopia

27.4796, 26.8288, 60.8569

Trichromacy



Original Color

21.9338, 26.9995, 59.3137

Protanomaly

23.1042, 25.5909, 54.7608

Deuteranomaly

23.7289, 26.0184, 60.2713

Monochromacy



Original Color

21.9338, 26.9995, 59.3137

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5025, 18.8604, 29.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9338, 26.9995, 59.3137 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 201) }
```

Border

The CSS property to change the border of an element to XYZ 21.9338, 26.9995, 59.3137 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, 201) }
```

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

```
.border{ border-color:rgb(0, 153, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
201) }
```


Background

The CSS property to change the background color of an element to XYZ 21.9338, 26.9995, 59.3137 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, 201) }
```

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

```
.background{ background-color: rgb(0, 153,  
201) }
```

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