

Converting Colors

XYZ(11.5020, 20.9969, 60.3380)

Have a look what the booklet for
XYZ(11.5020, 20.9969, 60.3380)
contains.

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Color

**XYZ(21.9657, 26.4929,
61.0827)**

Conversions

Conversions Part 1

Format	Color
Hex	0097CC
RGB	0, 151, 204
RGB Percent	0%, 59%, 80%
CMY	0.9998, 0.4078, 0.2000
CMYK	1.00, 0.26, 0.00, 0.20
HSL	196°, 100%, 40%
HSV	196°, 100%, 80%
XYZ	21.9657, 26.4929, 61.0827
YIQ	111.8930, -107.0090, -15.5290

Conversions

Conversions Part 2

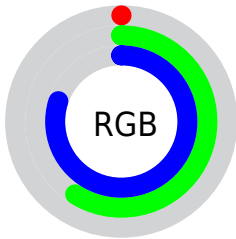
Format	Color
RYB	0, 87, 204
Decimal	38860
CIELab	58.50, -14.29, -36.50
CIELCh	59, 39.196, 248.613
Yxy	26.4929, 0.2005, 0.2419
Android (android.graphics.Color)	4278228940 (0xFF0097CC)
YUV	111.8930, 45.4088, -98.1302
Hunter-Lab	51.4713, -13.8986, -34.3316

Details

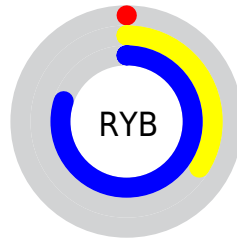
The XYZ color **21.9657, 26.4929, 61.0827** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.1774, 15.3877, 1.5917**, and the grayscale version is **15.2676, 16.0627, 17.4923**.

A 20% lighter version of the original color is **45.1369, 53.5920, 102.5731**, and **10.0622, 11.3164, 30.5081** is the 20% darker color. If you saturate the color by 10%, you get **21.9643, 26.4898, 61.0827**, and if you desaturate by 10%, it is **23.1362, 28.3918, 61.3881**.

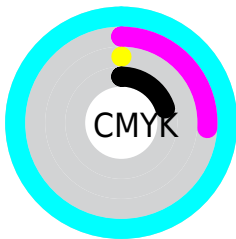
Distribution



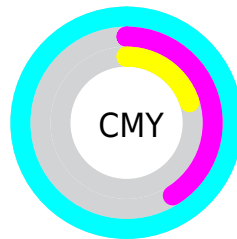
- Red (0%)
- Green (59%)
- Blue (80%)



- Red (0%)
- Yellow (34%)
- Blue (80%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (41%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9657, 26.4929, 61.0827 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 21.9657, 26.4929, 61.0827 by changing the saturation by 10% instead.

■ 21.9657, 26.4929,
61.0827

■ 21.9657, 26.4929,
61.0827

255.0028,
285.1934, 446.4921

■ 13.9482, 17.1927,
43.8609

■ 46.1686, 54.0691,
107.9574

■ 8.1661, 10.3720,
30.2248

■ 63.0846, 73.1138,
138.4473

■ 4.2541, 5.6463,
19.7558

■ 83.6975, 96.1756,
174.1971

■ 1.8469, 2.6312,
12.0353

■ 108.3727,
123.6388, 215.6253

■ 0.5457, 0.9424,
6.6449

■ 137.4755,
155.8878, 263.1503

■ 0.0000, 0.0000,
3.1660

171.3712,

■ 0.0000, 0.0000,

193.3069, 317.1907

1.1800

210.4252,
236.2807, 378.1652

■ 0.0000, 0.0000,
0.0000

■ 21.9657, 26.4929,
61.0827

■ 21.9657, 26.4929,
61.0827

■ 21.9643, 26.4898,
61.0827

■ 23.1362, 28.3918,
61.3881

■ 24.6581, 30.5292,
61.7204

■ 26.6400, 32.9622,
62.0856

■ 29.1398, 35.7211,
62.4864

■ 32.2062, 38.8320,
62.9252

■ 35.8822, 42.3176,
63.4043

■ 40.2065, 46.1985,
63.9254

■ 45.2143, 50.4936,
64.4905

■ 50.9384, 55.2203,
65.1012

Harmonies

Analogous

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



18.6413, 26.4929, 48.6628



21.9657, 26.4929, 61.0827



26.5869, 26.4929, 63.6248

Triad

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



21.9657, 26.4929, 61.0827



35.4417, 26.4929, 25.0697



19.8538, 26.4929, 12.7412

Complementary

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



21.9657, 26.4929, 61.0827



26.1774, 15.3877, 1.5917

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.



23.8250, 26.4929, 9.8222



21.9657, 26.4929, 61.0827



33.0944, 26.4929, 15.3059

Square

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



21.9657, 26.4929, 61.0827



34.7790, 26.4929, 39.5874



28.6950, 26.4929, 10.5825



17.5339, 26.4929, 20.2483

Rectangle

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



21.9657, 26.4929, 61.0827



29.8594, 26.4929, 58.7927



28.6950, 26.4929, 10.5825



21.0182, 26.4929, 11.3198

Sweetspot

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



21.9667, 26.4938, 61.0834



66.2681, 76.2303, 105.8290



22.1919, 43.4258, 10.3482



13.5047, 15.7138, 22.5712



0.0000, 0.0000, 0.0000



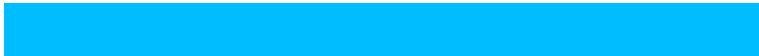
20.3446, 21.4041, 23.3091

Same Dimension

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



21.9667, 26.4938, 61.0834



36.1911, 43.5023, 101.0970



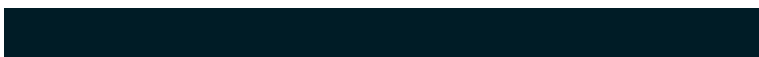
12.0850, 6.7305, 57.7895



11.2870, 12.2144, 14.3331



13.9032, 16.8305, 38.4721



0.7766, 0.9869, 2.0045

Inverse Universe

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



30.4886, 15.0729, 30.5814



50.3968, 24.9227, 50.1491



36.2955, 35.6239, 4.9644



11.5582, 11.3520, 13.4741



19.2286, 9.5020, 19.4544



1.0219, 0.5022, 1.1613

Previews

White Background



This preview shows how the XYZ color 21.9657, 26.4929, 61.0827 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 21.9657, 26.4929, 61.0827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

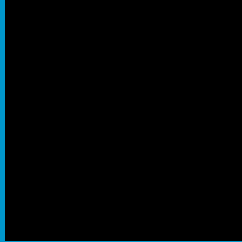
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9657, 26.4929, 61.0827

Background



This preview shows how black text looks on a background with the XYZ color 21.9657, 26.4929, 61.0827.

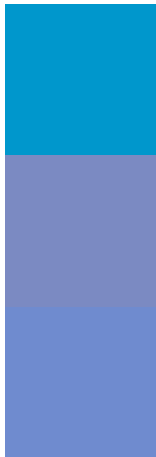


This preview shows how white text looks on a background with the XYZ color 21.9657, 26.4929,

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

21.9657, 26.4929, 61.0827

Protanopia

26.9945, 26.2830, 54.6893

Deuteranopia

27.0506, 26.3497, 62.6918



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

21.9657, 26.4929, 61.0827



Protanomaly

23.1574, 25.3418, 57.0970



Deuteranomaly

23.5616, 25.4407, 62.0612



Tritanomaly

19.7938, 26.4065, 47.2337

Monochromacy



Original Color

21.9657, 26.4929, 61.0827



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

15.1702, 18.3056, 29.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9657, 26.4929, 61.0827 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, 151, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 204)  
}
```

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, 151, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.9657, 26.4929, 61.0827 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, 151, 204) }
```


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

```
.border{ border-color:rgb(0, 151, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9657, 26.4929, 61.0827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 204) }
```

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

```
.background{ background-color: rgb(0, 151,  
204) }
```

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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