

Converting Colors

XYZ(19.5446, 25.7361, 58.8612)

Have a look what the booklet for
XYZ(19.5446, 25.7361, 58.8612)
contains.

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Color

**XYZ(21.8166, 26.9526,
58.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	0099C8
RGB	0, 153, 200
RGB Percent	0%, 60%, 78%
CMY	0.9998, 0.4000, 0.2157
CMYK	1.00, 0.23, 0.00, 0.22
HSL	194°, 100%, 39%
HSV	194°, 100%, 78%
XYZ	21.8166, 26.9526, 58.6961
YIQ	112.6110, -106.2750, -17.8190

Conversions

Conversions Part 2

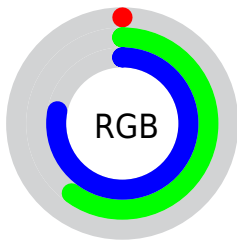
Format	Color
RYB	0, 87, 200
Decimal	39368
CIELab	58.93, -16.84, -33.58
CIELCh	59, 37.566, 243.373
Yxy	26.9526, 0.2030, 0.2508
Android (android.graphics.Color)	4278229448 (0xFF0099C8)
YUV	112.6110, 43.0828, -98.7598
Hunter-Lab	51.9159, -15.8418, -30.6921

Details

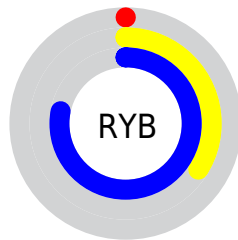
The XYZ color **21.8166, 26.9526, 58.6961** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.8383, 14.3164, 1.4556**, and the grayscale version is **15.4848, 16.2912, 17.7411**.

A 20% lighter version of the original color is **45.5084, 54.4983, 102.7284**, and **9.9397, 11.5781, 28.9050** is the 20% darker color. If you saturate the color by 10%, you get **21.8151, 26.9495, 58.6961**, and if you desaturate by 10%, it is **22.8911, 28.6718, 58.9719**.

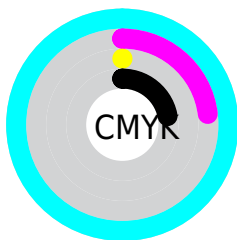
Distribution



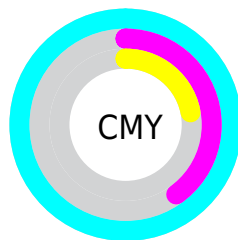
- Red (0%)
- Green (60%)
- Blue (78%)



- 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 21.8166, 26.9526, 58.6961 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 21.8166, 26.9526, 58.6961 by changing the saturation by 10% instead.

■ 21.8166, 26.9526,
58.6961

■ 21.8166, 26.9526,
58.6961

254.2374,
287.4275, 437.4453

■ 13.8380, 17.5376,
41.9501

■ 45.9238, 54.8078,
104.4606

■ 8.0891, 10.6185,
28.7370

■ 62.7832, 74.0168,
134.3163

■ 4.2043, 5.8110,
18.6381

■ 83.3335, 97.2593,
169.3788

■ 1.8183, 2.7305,
11.2349

■ 107.9402,
124.9196, 210.0670

■ 0.5287, 0.9927,
6.1089

■ 136.9686,
157.3822, 256.7991

■ 0.0000, 0.0000,
2.8416

170.7840,

■ 0.0000, 0.0000,

195.0315, 309.9939

1.0143

209.7518,
238.2518, 370.0697

■ 0.0000, 0.0000,
0.0000

■ 21.8166, 26.9526,
58.6961

■ 21.8166, 26.9526,
58.6961

■ 21.8151, 26.9495,
58.6961

■ 22.8911, 28.6718,
58.9719

■ 24.2940, 30.6054,
59.2711

■ 26.1298, 32.8082,
59.5996

■ 28.4534, 35.3090,
59.9598

■ 31.3113, 38.1321,
60.3541

■ 34.7441, 41.2991,
60.7845

■ 38.7886, 44.8294,
61.2527

■ 43.4783, 48.7406,
61.7605

■ 48.8441, 53.0492,
62.3093

Harmonies

Analogous

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



18.8543, 26.9526, 45.8017



21.8166, 26.9526, 58.6961



26.1471, 26.9526, 63.0387

Triad

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



21.8166, 26.9526, 58.6961



35.6172, 26.9526, 27.8663



21.0084, 26.9526, 12.7391

Complementary

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



21.8166, 26.9526, 58.6961



24.8383, 14.3164, 1.4556

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.



25.0953, 26.9526, 10.4914



21.8166, 26.9526, 58.6961



33.8311, 26.9526, 17.3969

Square

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



21.8166, 26.9526, 58.6961



34.4681, 26.9526, 42.3806



29.8364, 26.9526, 11.8950



18.4289, 26.9526, 19.3035

Rectangle

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



21.8166, 26.9526, 58.6961



29.3299, 26.9526, 59.6769



29.8364, 26.9526, 11.8950



22.2326, 26.9526, 11.5616

Sweetspot

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



21.8176, 26.9535, 58.6968



66.8146, 77.3234, 106.0111



21.1622, 41.5121, 9.5554



13.6361, 15.9767, 22.6151



0.0000, 0.0000, 0.0000



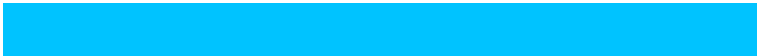
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8176, 26.9535, 58.6968



37.5790, 46.2780, 101.5597



11.7160, 6.7505, 55.3296



10.7273, 11.6286, 13.5966



13.9421, 17.2782, 37.3446



0.7129, 0.9236, 1.7859

Inverse Universe

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



29.5701, 14.5805, 31.3935



51.0973, 25.2029, 53.8380



34.2040, 33.0477, 4.5775



10.9724, 10.7723, 12.8377



18.8367, 9.2842, 20.1476



0.9185, 0.4503, 1.0942

Previews

White Background



This preview shows how the XYZ color 21.8166, 26.9526, 58.6961 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 21.8166, 26.9526, 58.6961 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

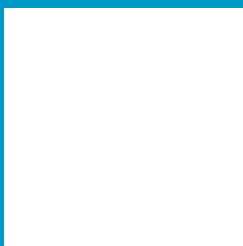
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8166, 26.9526, 58.6961

Background



This preview shows how black text looks on a background with the XYZ color 21.8166, 26.9526, 58.6961.

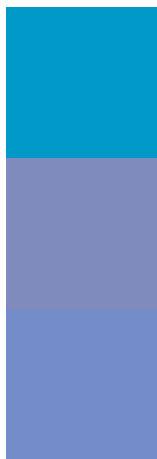


This preview shows how white text looks on a background with the XYZ color 21.8166, 26.9526,

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

21.8166, 26.9526, 58.6961

Protanopia

27.1703, 26.6514, 51.8563

Deuteranopia

27.4937, 26.8499, 60.2334



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



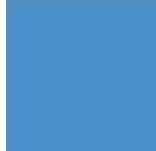
Original Color

21.8166, 26.9526, 58.6961



Protanomaly

22.9922, 25.5461, 54.1711



Deuteranomaly

23.6101, 25.9709, 59.6456



Tritanomaly

20.1267, 27.0722, 47.3447

Monochromacy



Original Color

21.8166, 26.9526, 58.6961



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 21.8166, 26.9526, 58.6961 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 200) }
```

Border

The CSS property to change the border of an element to XYZ 21.8166, 26.9526, 58.6961 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, 200) }
```


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

```
.border{ border-color:rgb(0, 153, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8166, 26.9526, 58.6961 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, 200) }
```

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

```
.background{ background-color: rgb(0, 153,  
200) }
```

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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