

Converting Colors

XYZ(20.1598, 26.0165, 57.4442)

Have a look what the booklet for
XYZ(20.1598, 26.0165, 57.4442)
contains.

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Color

**XYZ(21.5843, 26.8597,
57.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	0099C6
RGB	0, 153, 198
RGB Percent	0%, 60%, 78%
CMY	0.9998, 0.4000, 0.2235
CMYK	1.00, 0.23, 0.00, 0.22
HSL	194°, 100%, 39%
HSV	194°, 100%, 78%
XYZ	21.5843, 26.8597, 57.4729
YIQ	112.3830, -105.6330, -18.4410

Conversions

Conversions Part 2

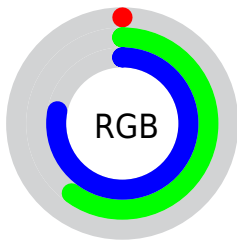
Format	Color
RYB	0, 86, 198
Decimal	39366
CIELab	58.84, -17.56, -32.59
CIELCh	59, 37.019, 241.691
Yxy	26.8597, 0.2038, 0.2536
Android (android.graphics.Color)	4278229446 (0xFF0099C6)
YUV	112.3830, 42.2092, -98.5599
Hunter-Lab	51.8263, -16.3556, -29.4713

Details

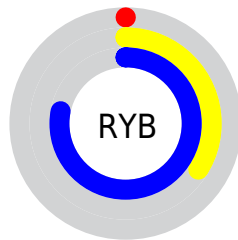
The XYZ color **21.5843, 26.8597, 57.4729** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.2292, 13.8861, 1.4046**, and the grayscale version is **15.4199, 16.2229, 17.6667**.

A 20% lighter version of the original color is **45.5084, 54.4983, 102.7284**, and **9.7854, 11.5164, 28.0927** is the 20% darker color. If you saturate the color by 10%, you get **21.5830, 26.8570, 57.4730**, and if you desaturate by 10%, it is **22.6207, 28.5088, 57.7371**.

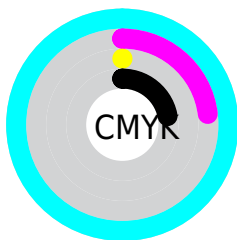
Distribution



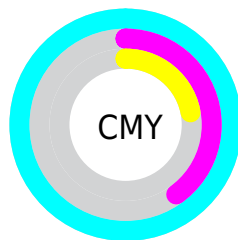
- Red (0%)
- Green (60%)
- Blue (78%)



- 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 21.5843, 26.8597, 57.4729 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 21.5843, 26.8597, 57.4729 by changing the saturation by 10% instead.

■ 21.5843, 26.8597,
57.4729

■ 21.5843, 26.8597,
57.4729

253.0410,
286.9772, 432.7622

■ 13.6667, 17.4679,
40.9731

■ 45.5420, 54.6586,
102.6621

■ 7.9693, 10.5686,
27.9786

■ 62.3127, 73.8346,
132.1885

■ 4.1270, 5.7776,
18.0706

■ 82.7651, 97.0406,
166.8944

■ 1.7742, 2.7103,
10.8307

■ 107.2647,
124.6613, 207.1980

■ 0.5021, 0.9824,
5.8404

■ 136.1767,
157.0808, 253.5181

■ 0.0000, 0.0000,
2.6811

169.8665,

■ 0.0000, 0.0000,

194.6838, 306.2732

0.9339

208.6995,
237.8544, 365.8817

■ 0.0000, 0.0000,
0.0000

■ 21.5843, 26.8597,
57.4729

■ 21.5843, 26.8597,
57.4729

■ 21.5830, 26.8570,
57.4730

■ 22.6207, 28.5088,
57.7371

■ 23.9755, 30.3633,
58.0237

■ 25.7514, 32.4770,
58.3381

■ 28.0020, 34.8780,
58.6829

■ 30.7724, 37.5899,
59.0603

■ 34.1025, 40.6338,
59.4723

■ 38.0278, 44.0283,
59.9207

■ 42.5811, 47.7908,
60.4069

■ 47.7926, 51.9372,
60.9326

Harmonies

Analogous

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



18.7577, 26.8597, 44.5610



21.5843, 26.8597, 57.4729



25.7896, 26.8597, 62.3080

Triad

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



21.5843, 26.8597, 57.4729



35.3601, 26.8597, 28.5091



21.1851, 26.8597, 12.6315

Complementary

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



21.5843, 26.8597, 57.4729



24.2292, 13.8861, 1.4046

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.



25.2709, 26.8597, 10.6117



21.5843, 26.8597, 57.4729



33.7613, 26.8597, 17.9157

Square

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



21.5843, 26.8597, 57.4729



34.0748, 26.8597, 42.8791



29.9280, 26.8597, 12.2118



18.5473, 26.8597, 18.8598

Rectangle

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



21.5843, 26.8597, 57.4729



28.9173, 26.8597, 59.4210



29.9280, 26.8597, 12.2118



22.4169, 26.8597, 11.5386

Sweetspot

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



21.5852, 26.8606, 57.4736



66.9862, 77.6665, 106.0683



20.6297, 40.5628, 9.0214



13.6774, 16.0593, 22.6288



0.0000, 0.0000, 0.0000



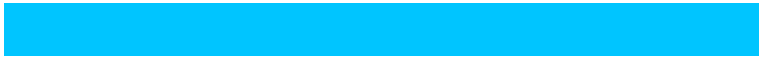
20.3446, 21.4041, 23.3091

Same Dimension

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



21.5852, 26.8606, 57.4736



38.0239, 47.1679, 101.7080



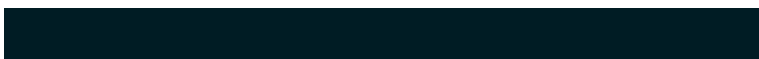
11.6143, 6.9188, 54.1499



10.7344, 11.6428, 13.5990



14.1027, 17.5992, 37.3981



0.7193, 0.9365, 1.7880

Inverse Universe

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



29.0393, 14.3068, 31.3687



51.3219, 25.2928, 55.0206



32.9493, 31.3262, 4.3112



10.9760, 10.7738, 12.8566



18.9177, 9.3166, 20.5743



0.9218, 0.4516, 1.1113

Previews

White Background



This preview shows how the XYZ color 21.5843, 26.8597, 57.4729 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 21.5843, 26.8597, 57.4729 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 21.5843, 26.8597, 57.4729

Background



This preview shows how black text looks on a background with the XYZ color 21.5843, 26.8597, 57.4729.

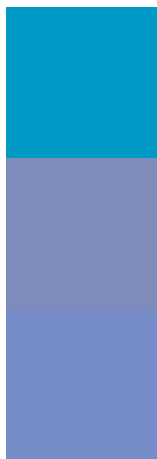


This preview shows how white text looks on a background with the XYZ color 21.5843, 26.8597,

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

21.5843, 26.8597, 57.4729

Protanopia

26.9547, 26.5651, 50.7206

Deuteranopia

27.3919, 26.8248, 58.9923



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

21.5843, 26.8597, 57.4729



Protanomaly

22.7706, 25.4574, 53.0039



Deuteranomaly

23.4524, 25.9168, 58.4099



Tritanomaly

20.1267, 27.0722, 47.3447

Monochromacy



Original Color

21.5843, 26.8597, 57.4729



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

15.1458, 18.5015, 28.7595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5843, 26.8597, 57.4729 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 198) }
```

Border

The CSS property to change the border of an element to XYZ 21.5843, 26.8597, 57.4729 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, 198) }
```


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

```
.border{ border-color:rgb(0, 153, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5843, 26.8597, 57.4729 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, 198) }
```

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

```
.background{ background-color: rgb(0, 153,  
198) }
```

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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