

Converting Colors

XYZ(20.8878, 30.1547, 58.2676)

Have a look what the booklet for
XYZ(20.8878, 30.1547, 58.2676)
contains.

XYZ(24.0118, 31.7147, 58.2821)	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>	31

Color

**XYZ(24.0118, 31.7147,
58.2821)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7C6
RGB	0, 167, 198
RGB Percent	0%, 65%, 78%
CMY	0.9998, 0.3451, 0.2235
CMYK	1.00, 0.16, 0.00, 0.22
HSL	189°, 100%, 39%
HSV	189°, 100%, 78%
XYZ	24.0118, 31.7147, 58.2821
YIQ	120.6010, -109.4830, -25.7630

Conversions

Conversions Part 2

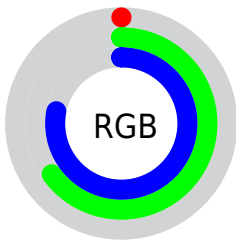
Format	Color
RYB	0, 91, 198
Decimal	42950
CIELab	63.11, -24.89, -26.00
CIELCh	63, 35.995, 226.242
Yxy	31.7147, 0.2106, 0.2782
Android (android.graphics.Color)	4278233030 (0xFF00A7C6)
YUV	120.6010, 38.1577, -105.7671
Hunter-Lab	56.3158, -22.4443, -21.9391

Details

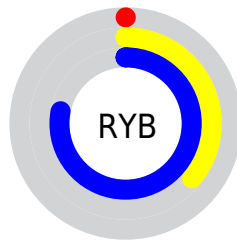
The XYZ color **24.0118, 31.7147, 58.2821** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.7803, 12.9882, 1.2549**, and the grayscale version is **17.9564, 18.8915, 20.5728**.

A 20% lighter version of the original color is **49.4268, 62.1719, 104.0030**, and **11.1648, 14.2751, 28.5525** is the 20% darker color. If you saturate the color by 10%, you get **24.0110, 31.7130, 58.2824**, and if you desaturate by 10%, it is **24.8725, 33.0124, 58.4878**.

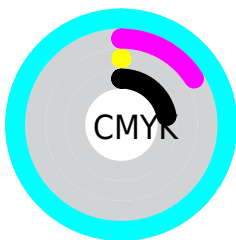
Distribution



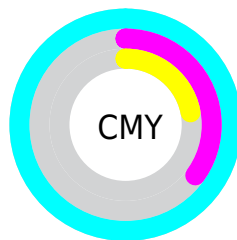
- Red (0%)
- Green (65%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0118, 31.7147, 58.2821 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 24.0118, 31.7147, 58.2821 by changing the saturation by 10% instead.

■ 24.0118, 31.7147,
58.2821

■ 24.0118, 31.7147,
58.2821

265.3195,
309.8176, 435.8639

■ 15.4672, 21.1437,
41.6193

■ 49.5040, 62.3636,
103.8524

■ 9.2363, 13.2291,
28.4800

■ 67.1822, 83.2102,
133.5969

■ 4.9540, 7.5865,
18.4456

■ 88.6358, 108.2508,
168.5391

■ 2.2548, 3.8315,
11.0976

■ 114.2299,
137.8698, 209.0975

■ 0.7714, 1.5798,
6.0175

■ 144.3299,
172.4516, 255.6906

■ 0.0000, 0.3439,
2.7868

179.3013,

■ 0.0000, 0.0000,

212.3805, 308.7371

0.9868

219.5094,
258.0411, 368.6553

■ 0.0000, 0.0000,
0.0000

■ 24.0118, 31.7147,
58.2821

■ 24.0118, 31.7147,
58.2821

■ 24.0110, 31.7130,
58.2824

■ 24.8725, 33.0124,
58.4878

■ 26.0371, 34.4865,
58.7110

■ 27.6083, 36.1907,
58.9571

■ 29.6393, 38.1527,
59.2288

■ 32.1753, 40.3956,
59.5281

■ 35.2556, 42.9402,
59.8568

■ 38.9159, 45.8047,
60.2168

■ 43.1887, 49.0061,
60.6096

■ 48.1040, 52.5600,
61.0365

Harmonies

Analogous

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



21.8761, 31.7147, 42.7573



24.0118, 31.7147, 58.2821



27.9301, 31.7147, 68.4766

Triad

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



24.0118, 31.7147, 58.2821



40.3996, 31.7147, 41.4505



27.5518, 31.7147, 14.3722

Complementary

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



24.0118, 31.7147, 58.2821



23.7803, 12.9882, 1.2549

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.



32.4716, 31.7147, 14.2018



24.0118, 31.7147, 58.2821



40.2695, 31.7147, 27.4355

Square

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



24.0118, 31.7147, 58.2821



37.5780, 31.7147, 57.1019



37.2400, 31.7147, 18.3099



23.7612, 31.7147, 18.8645

Rectangle

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



24.0118, 31.7147, 58.2821



31.1938, 31.7147, 69.4635



37.2400, 31.7147, 18.3099



29.1177, 31.7147, 13.8605

Sweetspot

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



24.0129, 31.7158, 58.2829



68.5818, 80.8577, 106.6002



20.4259, 40.4813, 7.9479



14.0625, 16.8295, 22.7572



0.0000, 0.0000, 0.0000



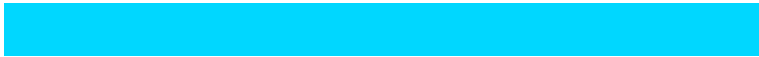
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0129, 31.7158, 58.2829



42.3679, 55.8558, 103.1560



12.3422, 8.3744, 54.3927



10.7998, 11.7737, 13.6208



15.6663, 20.7265, 37.9193



0.7809, 1.0597, 1.8085

Inverse Universe

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



30.2647, 14.7970, 37.8213



53.5146, 26.1698, 66.5669



31.1022, 27.6319, 3.6955



11.0090, 10.7870, 13.0306



19.7069, 9.6323, 24.7304



0.9529, 0.4640, 1.2750

Previews

White Background



This preview shows how the XYZ color 24.0118, 31.7147, 58.2821 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.0118, 31.7147, 58.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

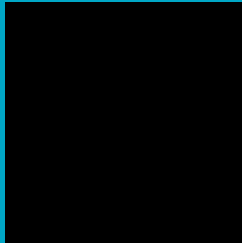
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0118, 31.7147, 58.2821

Background



This preview shows how black text looks on a background with the XYZ color 24.0118, 31.7147, 58.2821.

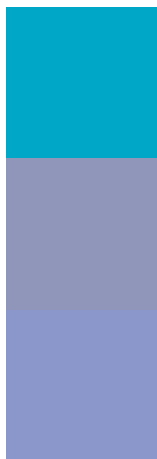


This preview shows how white text looks on a background with the XYZ color 24.0118, 31.7147,

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

24.0118, 31.7147, 58.2821

Protanopia

31.2709, 31.2872, 50.8452

Deuteranopia

32.2145, 31.5659, 60.2721



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



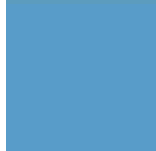
Original Color

24.0118, 31.7147, 58.2821



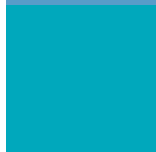
Protanomaly

25.5964, 29.7700, 53.1123



Deuteranomaly

26.4556, 30.0687, 59.6678



Tritanomaly

23.0797, 31.6361, 52.4669

Monochromacy



Original Color

24.0118, 31.7147, 58.2821



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.5739, 21.9247, 31.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0118, 31.7147, 58.2821 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, 167, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.0118, 31.7147, 58.2821 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, 167, 198) }
```


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

```
.border{ border-color:rgb(0, 167, 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, 167, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0118, 31.7147, 58.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 198) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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