

Converting Colors

XYZ(15.7610, 27.3512, 60.8985)

Have a look what the booklet for
XYZ(15.7610, 27.3512, 60.8985)
contains.

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Color

**XYZ(24.5982, 31.9492,
61.3703)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7CB
RGB	0, 167, 203
RGB Percent	0%, 65%, 80%
CMY	0.9998, 0.3451, 0.2039
CMYK	1.00, 0.18, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	24.5982, 31.9492, 61.3703
YIQ	121.1710, -111.0880, -24.2080

Conversions

Conversions Part 2

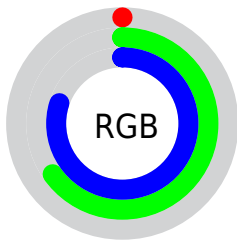
Format	Color
RYB	0, 92, 203
Decimal	42955
CIELab	63.30, -23.18, -28.48
CIELCh	63, 36.722, 230.859
Yxy	31.9492, 0.2086, 0.2709
Android (android.graphics.Color)	4278233035 (0xFF00A7CB)
YUV	121.1710, 40.3417, -106.2670
Hunter-Lab	56.5236, -21.2359, -24.8073

Details

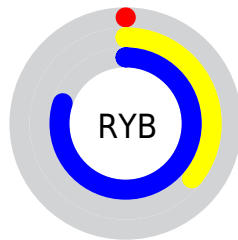
The XYZ color **24.5982, 31.9492, 61.3703** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.2614, 13.9612, 1.3647**, and the grayscale version is **18.1334, 19.0777, 20.7756**.

A 20% lighter version of the original color is **49.5381, 62.2293, 104.0083**, and **11.5555, 14.4314, 30.6103** is the 20% darker color. If you saturate the color by 10%, you get **24.5972, 31.9471, 61.3706**, and if you desaturate by 10%, it is **25.5632, 33.4402, 61.6079**.

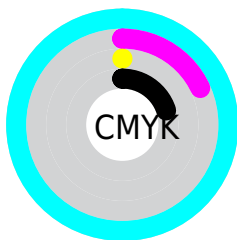
Distribution



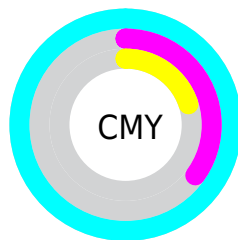
- Red (0%)
- Green (65%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5982, 31.9492, 61.3703 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 24.5982, 31.9492, 61.3703 by changing the saturation by 10% instead.

■ 24.5982, 31.9492,
61.3703

■ 24.5982, 31.9492,
61.3703

268.2157,
310.8878, 447.5745

■ 15.9051, 21.3227,
44.0916

■ 50.4522, 62.7314,
108.3777

■ 9.5474, 13.3601,
30.4048

■ 68.3439, 83.6560,
138.9434

■ 5.1599, 7.6770,
19.8914

■ 90.0324, 108.7820,
174.7752

■ 2.3771, 3.8890,
12.1328

■ 115.8831,
138.4938, 216.2917

■ 0.8337, 1.6116,
6.7106

■ 146.2615,
173.1759, 263.9113

■ 0.0000, 0.3654,
3.2061

181.5328,

■ 0.0000, 0.0000,

213.2127, 318.0526

1.2008

222.0624,
258.9885, 379.1342

■ 0.0000, 0.0000,
0.0000

■ 24.5982, 31.9492,
61.3703

■ 24.5982, 31.9492,
61.3703

■ 24.5972, 31.9471,
61.3706

■ 25.5632, 33.4402,
61.6079

■ 26.8554, 35.1268,
61.8653

■ 28.5822, 37.0651,
62.1484

■ 30.8004, 39.2847,
62.4599

■ 33.5579, 41.8104,
62.8021

■ 36.8969, 44.6643,
63.1770

■ 40.8552, 47.8658,
63.5863

■ 45.4674, 51.4333,
64.0318

■ 50.7654, 55.3831,
64.5150

Harmonies

Analogous

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



22.1084, 31.9492, 45.7527



24.5982, 31.9492, 61.3703



28.8383, 31.9492, 70.4484

Triad

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



24.5982, 31.9492, 61.3703



41.0909, 31.9492, 39.4330



27.0134, 31.9492, 14.6183

Complementary

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



24.5982, 31.9492, 61.3703



25.2614, 13.9612, 1.3647

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.



31.9483, 31.9492, 13.8030



24.5982, 31.9492, 61.3703



40.4615, 31.9492, 25.7307

Square

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



24.5982, 31.9492, 61.3703



38.6078, 31.9492, 55.6500



36.9733, 31.9492, 17.2616



23.3908, 31.9492, 19.9240

Rectangle

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



24.5982, 31.9492, 61.3703



32.2481, 31.9492, 70.2151



36.9733, 31.9492, 17.2616



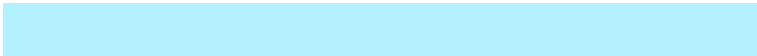
28.5600, 31.9492, 13.8819

Sweetspot

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



24.5993, 31.9503, 61.3711



68.1080, 79.9102, 106.4423



21.6436, 42.8274, 8.6295



13.9480, 16.6005, 22.7190



0.0000, 0.0000, 0.0000



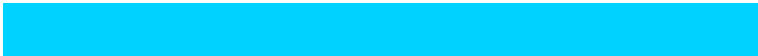
20.3446, 21.4041, 23.3091

Same Dimension

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



24.5993, 31.9503, 61.3711



41.0397, 53.1995, 102.7132



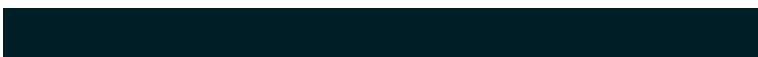
12.8291, 8.4099, 57.4477



11.3674, 12.3753, 14.3599



15.7136, 20.4511, 39.0755



0.8561, 1.1460, 2.0310

Inverse Universe

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



31.6046, 15.4877, 37.8839



52.8442, 25.9017, 63.0367



33.3419, 30.1223, 4.0582



11.5988, 11.3683, 13.6880



20.1424, 9.8675, 24.2663



1.0621, 0.5182, 1.3728

Previews

White Background



This preview shows how the XYZ color 24.5982, 31.9492, 61.3703 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 24.5982, 31.9492, 61.3703 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 24.5982, 31.9492, 61.3703

Background



This preview shows how black text looks on a background with the XYZ color 24.5982, 31.9492, 61.3703.

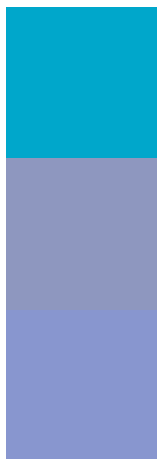


This preview shows how white text looks on a background with the XYZ color 24.5982, 31.9492,

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

24.5982, 31.9492, 61.3703

Protanopia

31.6259, 31.6456, 53.7316

Deuteranopia

32.3222, 31.5519, 63.4181



Tritanopia

22.7352, 31.7948, 49.7385

Trichromacy



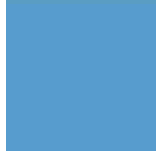
Original Color

24.5982, 31.9492, 61.3703



Protanomaly

26.1237, 30.2277, 56.0874



Deuteranomaly

26.9595, 30.2594, 62.8122



Tritanomaly

23.2969, 31.7230, 53.6105

Monochromacy



Original Color

24.5982, 31.9492, 61.3703



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.7350, 21.9891, 32.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5982, 31.9492, 61.3703 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 203) }
```

Border

The CSS property to change the border of an element to XYZ 24.5982, 31.9492, 61.3703 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, 203) }
```


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

```
.border{ border-color:rgb(0, 167, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5982, 31.9492, 61.3703 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, 203) }
```

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

```
.background{ background-color: rgb(0, 167,  
203) }
```

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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