

Converting Colors

XYZ(23.8165, 30.1367, 67.4544)

Have a look what the booklet for
XYZ(23.8165, 30.1367, 67.4544)
contains.

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Color

**XYZ(24.9306, 30.6448,
67.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2D5
RGB	0, 162, 213
RGB Percent	0%, 64%, 84%
CMY	0.9998, 0.3647, 0.1647
CMYK	1.00, 0.24, 0.00, 0.16
HSL	194°, 100%, 42%
HSV	194°, 100%, 84%
XYZ	24.9306, 30.6448, 67.5518
YIQ	119.3760, -112.9230, -18.4830

Conversions

Conversions Part 2

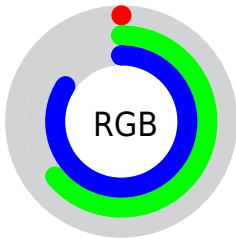
Format	Color
RYB	0, 92, 213
Decimal	41685
CIELab	62.21, -17.04, -35.74
CIELCh	62, 39.591, 244.515
Yxy	30.6448, 0.2025, 0.2489
Android (android.graphics.Color)	4278231765 (0xFF00A2D5)
YUV	119.3760, 46.1566, -104.6928
Hunter-Lab	55.3577, -16.4878, -33.5998

Details

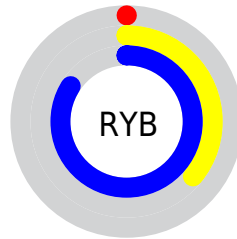
The XYZ color **24.9306, 30.6448, 67.5518** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.6272, 16.5185, 1.6811**, and the grayscale version is **17.5429, 18.4565, 20.0991**.

A 20% lighter version of the original color is **48.4564, 59.7293, 103.5827**, and **11.7475, 13.6205, 34.3576** is the 20% darker color. If you saturate the color by 10%, you get **24.9288, 30.6411, 67.5518**, and if you desaturate by 10%, it is **26.1648, 32.6427, 67.8730**.

Distribution



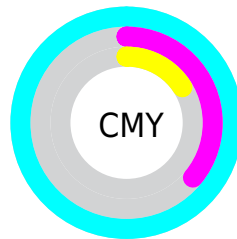
- Red (0%)
- Green (64%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9306, 30.6448, 67.5518 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 24.9306, 30.6448, 67.5518 by changing the saturation by 10% instead.

■ 24.9306, 30.6448,
67.5518

■ 24.9306, 30.6448,
67.5518

269.8462,
304.8986, 470.4612

■ 16.1538, 20.3285,
49.0688

■ 50.9883, 60.6804,
117.3589

■ 9.7246, 12.6341,
34.3081

■ 69.0000, 81.1685,
149.5200

■ 5.2776, 7.1771,
22.8511

■ 90.8206, 105.8161,
187.0776

■ 2.4475, 3.5731,
14.2793

■ 116.8156,
135.0074, 230.4502

■ 0.8688, 1.4377,
8.1742

■ 147.3503,
169.1269, 280.0563

■ 0.0000, 0.2443,
4.1173

182.7900,

■ 0.0000, 0.0000,

208.5590, 336.3145

1.6899

223.5002,
253.6881, 399.6433

■ 0.0000, 0.0000,
0.3538

■ 0.0000, 0.0000,
0.0000

■ 24.9306, 30.6448,
67.5518

■ 24.9306, 30.6448,
67.5518

■ 24.9288, 30.6411,
67.5518

■ 26.1648, 32.6427,
67.8730

■ 27.7835, 34.8931,
68.2221

■ 29.9042, 37.4576,
68.6053

■ 32.5910, 40.3700,
69.0258

■ 35.8983, 43.6587,
69.4863

■ 39.8739, 47.3491,
69.9891

■ 44.5606, 51.4638,
70.5363

■ 49.9974, 56.0235,
71.1298

■ 56.2206, 61.0474,
71.7716

Harmonies

Analogous

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



21.4627, 30.6448, 52.9450



24.9306, 30.6448, 67.5518



29.9423, 30.6448, 72.0802

Triad

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



24.9306, 30.6448, 67.5518



40.6023, 30.6448, 31.1064



23.6904, 30.6448, 14.5358

Complementary

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



24.9306, 30.6448, 67.5518



28.6272, 16.5185, 1.6811

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.



28.3266, 30.6448, 11.8064



24.9306, 30.6448, 67.5518



38.4279, 30.6448, 19.3303

Square

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



24.9306, 30.6448, 67.5518



39.4079, 30.6448, 47.6783



33.7696, 30.6448, 13.2463



20.8104, 30.6448, 22.2510

Rectangle

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



24.9306, 30.6448, 67.5518



33.5961, 30.6448, 67.8890



33.7696, 30.6448, 13.2463



25.0728, 30.6448, 13.1330

Sweetspot

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



24.9317, 30.6458, 67.5526



66.7164, 77.1269, 105.9784



24.3653, 47.8173, 10.9338



13.6125, 15.9294, 22.6072



0.0000, 0.0000, 0.0000



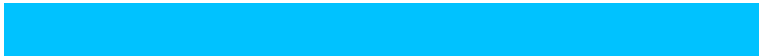
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9317, 30.6458, 67.5526



37.3263, 45.7725, 101.4754



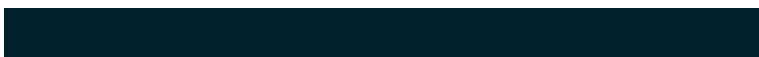
13.4662, 7.7148, 63.7307



12.5285, 13.5803, 15.8985



15.3101, 18.8821, 41.2908



0.9855, 1.2629, 2.5111

Inverse Universe

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



33.9632, 16.7561, 35.6275



50.9698, 25.1519, 53.1663



39.3656, 37.9954, 5.2606



12.8199, 12.5795, 14.9921



20.7867, 10.2510, 21.9787



1.2851, 0.6308, 1.4905

Previews

White Background



This preview shows how the XYZ color 24.9306, 30.6448, 67.5518 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 24.9306, 30.6448, 67.5518 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 24.9306, 30.6448, 67.5518

Background



This preview shows how black text looks on a background with the XYZ color 24.9306, 30.6448, 67.5518.

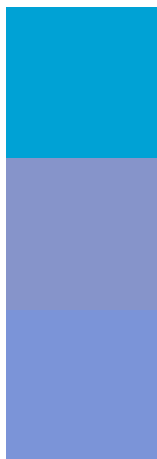


This preview shows how white text looks on a background with the XYZ color 24.9306, 30.6448,

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

24.9306, 30.6448, 67.5518

Protanopia

31.0821, 30.5124, 60.1284

Deuteranopia

31.1530, 30.3486, 69.1817



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

24.9306, 30.6448, 67.5518



Protanomaly

26.2781, 29.1700, 62.6379



Deuteranomaly

26.7989, 29.3085, 68.5346



Tritanomaly

22.8591, 30.6719, 54.0057

Monochromacy



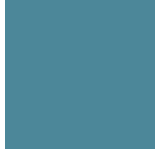
Original Color

24.9306, 30.6448, 67.5518



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

17.3942, 21.1644, 33.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9306, 30.6448, 67.5518 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, 162, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 213)  
}
```

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, 162, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 213) }
```

Border

The CSS property to change the border of an element to XYZ 24.9306, 30.6448, 67.5518 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, 162, 213) }
```


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

```
.border{ border-color:rgb(0, 162, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9306, 30.6448, 67.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 213) }
```

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

```
.background{ background-color: rgb(0, 162,  
213) }
```

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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