

Converting Colors

XYZ(7.8811, 23.5424, 61.2048)

Have a look what the booklet for
XYZ(7.8811, 23.5424, 61.2048)
contains.

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Color

**XYZ(24.9017, 32.3649,
62.0613)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8CC
RGB	0, 168, 204
RGB Percent	0%, 66%, 80%
CMY	0.9998, 0.3412, 0.2000
CMYK	1.00, 0.18, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	24.9017, 32.3649, 62.0613
YIQ	121.8720, -111.6840, -24.4200

Conversions

Conversions Part 2

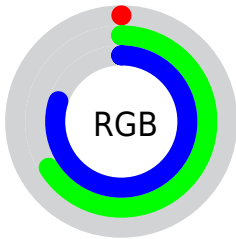
Format	Color
RYB	0, 92, 204
Decimal	43212
CIELab	63.64, -23.35, -28.51
CIELCh	64, 36.852, 230.679
Yxy	32.3649, 0.2087, 0.2712
Android (android.graphics.Color)	4278233292 (0xFF00A8CC)
YUV	121.8720, 40.4891, -106.8817
Hunter-Lab	56.8902, -21.4256, -24.8562

Details

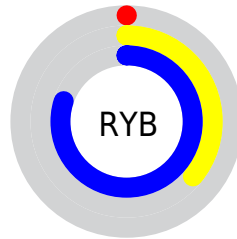
The XYZ color **24.9017, 32.3649, 62.0613** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.5345, 14.1020, 1.3774**, and the grayscale version is **18.3600, 19.3161, 21.0352**.

A 20% lighter version of the original color is **49.8045, 62.7621, 104.0971**, and **11.7504, 14.6928, 31.0708** is the 20% darker color. If you saturate the color by 10%, you get **24.9008, 32.3628, 62.0616**, and if you desaturate by 10%, it is **25.8739, 33.8672, 62.3007**.

Distribution



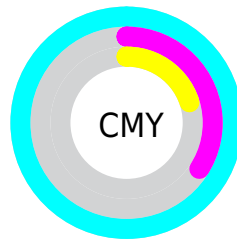
- Red (0%)
- Green (66%)
- Blue (80%)



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



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



- Cyan (100%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9017, 32.3649, 62.0613 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 24.9017, 32.3649, 62.0613 by changing the saturation by 10% instead.

■ 24.9017, 32.3649,
62.0613

■ 24.9017, 32.3649,
62.0613

269.7047,
312.7781, 450.1685

■ 16.1322, 21.6404,
44.6461

■ 50.9417, 63.3827,
109.3866

■ 9.7092, 13.5929,
30.8379

■ 68.9430, 84.4448,
140.1338

■ 5.2673, 7.8381,
20.2180

■ 90.7522, 109.7214,
176.1620

■ 2.4413, 3.9915,
12.3680

■ 116.7347,
139.5972, 217.8899

■ 0.8658, 1.6688,
6.8692

■ 147.2558,
174.4563, 265.7360

■ 0.0000, 0.4033,
3.3032

182.6809,

■ 0.0000, 0.0000,

214.6832, 320.1187

1.2515

223.3755,
260.6624, 381.4567

■ 0.0000, 0.0000,
0.0215

■ 0.0000, 0.0000,
0.0000

■ 24.9017, 32.3649,
62.0613

■ 24.9017, 32.3649,
62.0613

■ 24.9008, 32.3628,
62.0616

■ 25.8739, 33.8672,
62.3007

■ 27.1771, 35.5671,
62.5601

■ 28.9197, 37.5213,
62.8455

■ 31.1591, 39.7596,
63.1595

■ 33.9439, 42.3072,
63.5044

■ 37.3167, 45.1864,
63.8824

■ 41.3159, 48.4170,
64.2952

■ 45.9764, 52.0173,
64.7445

■ 51.3305, 56.0042,
65.2318

Harmonies

Analogous

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



22.3931, 32.3649, 46.2388



24.9017, 32.3649, 62.0613



29.1851, 32.3649, 71.3066

Triad

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



24.9017, 32.3649, 62.0613



41.6100, 32.3649, 40.0376



27.3944, 32.3649, 14.8026

Complementary

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



24.9017, 32.3649, 62.0613



25.5345, 14.1020, 1.3774

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.



32.3944, 32.3649, 14.0023



24.9017, 32.3649, 62.0613



40.9923, 32.3649, 26.1401

Square

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



24.9017, 32.3649, 62.0613



39.0799, 32.3649, 56.4488



37.4761, 32.3649, 17.5324



23.7167, 32.3649, 20.1456

Rectangle

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



24.9017, 32.3649, 62.0613



32.6345, 32.3649, 71.1198



37.4761, 32.3649, 17.5324



28.9623, 32.3649, 14.0656

Sweetspot

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



24.9028, 32.3660, 62.0621



68.1278, 79.9498, 106.4489



21.8829, 43.3022, 8.7210



13.9528, 16.6100, 22.7206



0.0000, 0.0000, 0.0000



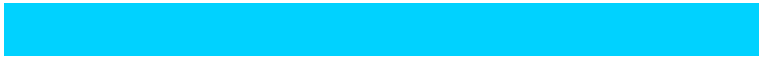
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9028, 32.3660, 62.0621



41.0946, 53.3091, 102.7315



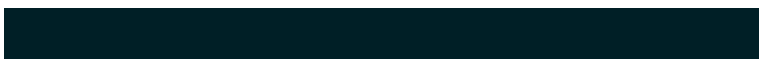
12.9687, 8.4979, 58.0841



11.3683, 12.3770, 14.3602



15.7340, 20.4920, 39.0824



0.8570, 1.1478, 2.0313

Inverse Universe

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



31.9707, 15.6657, 38.3856



52.8718, 25.9127, 63.1824



33.7087, 30.4503, 4.1021



11.5993, 11.3684, 13.6903



20.1527, 9.8717, 24.3206



1.0625, 0.5184, 1.3751

Previews

White Background



This preview shows how the XYZ color 24.9017, 32.3649, 62.0613 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 24.9017, 32.3649, 62.0613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

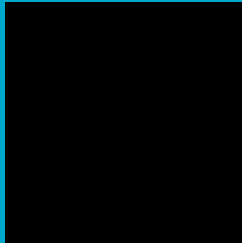
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9017, 32.3649, 62.0613

Background



This preview shows how black text looks on a background with the XYZ color 24.9017, 32.3649, 62.0613.

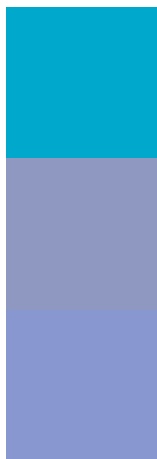


This preview shows how white text looks on a background with the XYZ color 24.9017, 32.3649,

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

24.9017, 32.3649, 62.0613

Protanopia

32.0704, 32.1019, 54.3752

Deuteranopia

32.7683, 32.0056, 64.1251



Tritanopia

23.0265, 32.2101, 50.3510

Trichromacy



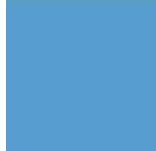
Original Color

24.9017, 32.3649, 62.0613



Protanomaly

26.5050, 30.6634, 56.7462



Deuteranomaly

27.2499, 30.6452, 63.5104



Tritanomaly

23.5919, 32.1375, 54.2500

Monochromacy



Original Color

24.9017, 32.3649, 62.0613



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.0420, 22.3519, 33.0692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9017, 32.3649, 62.0613 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, 168, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 204)  
}
```

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, 168, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 204) }
```

Border

The CSS property to change the border of an element to XYZ 24.9017, 32.3649, 62.0613 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, 168, 204) }
```


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

```
.border{ border-color:rgb(0, 168, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9017, 32.3649, 62.0613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 204) }
```

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

```
.background{ background-color: rgb(0, 168,  
204) }
```

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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