

Converting Colors

XYZ(21.6287, 31.0316, 62.3264)

Have a look what the booklet for
XYZ(21.6287, 31.0316, 62.3264)
contains.

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Color

**XYZ(25.2074, 32.7837,
62.7569)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9CD
RGB	0, 169, 205
RGB Percent	0%, 66%, 80%
CMY	0.9998, 0.3372, 0.1961
CMYK	1.00, 0.18, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	25.2074, 32.7837, 62.7569
YIQ	122.5730, -112.2800, -24.6320

Conversions

Conversions Part 2

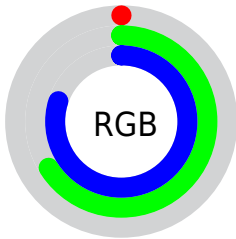
Format	Color
RYB	0, 93, 205
Decimal	43469
CIELab	63.99, -23.52, -28.54
CIElCh	64, 36.981, 230.502
Yxy	32.7837, 0.2088, 0.2715
Android (android.graphics.Color)	4278233549 (0xFF00A9CD)
YUV	122.5730, 40.6365, -107.4965
Hunter-Lab	57.2571, -21.6153, -24.9052

Details

The XYZ color **25.2074, 32.7837, 62.7569** 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 **25.8096, 14.2439, 1.3904**, and the grayscale version is **18.5884, 19.5564, 21.2970**.

A 20% lighter version of the original color is **50.1851, 63.3561, 104.1917**, and **11.9472, 14.9569, 31.5355** is the 20% darker color. If you saturate the color by 10%, you get **25.2064, 32.7815, 62.7572**, and if you desaturate by 10%, it is **26.1868, 34.2974, 62.9981**.

Distribution



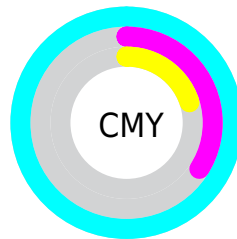
- Red (0%)
- Green (66%)
- Blue (80%)



- 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 25.2074, 32.7837, 62.7569 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 25.2074, 32.7837, 62.7569 by changing the saturation by 10% instead.

■ 25.2074, 32.7837,
62.7569

■ 25.2074, 32.7837,
62.7569

271.1979,
314.6739, 452.7703

■ 16.3612, 21.9608,
45.2048

■ 51.4340, 64.0377,
110.4009

■ 9.8726, 13.8281,
31.2747

■ 69.5450, 85.2376,
141.3299

■ 5.3762, 8.0012,
20.5479

■ 91.4751, 110.6652,
177.5550

■ 2.5066, 4.0957,
12.6059

■ 117.5895,
140.7050, 219.4947

■ 0.8986, 1.7272,
7.0302

■ 148.2536,
175.7414, 267.5675

■ 0.0000, 0.4412,
3.4023

183.8328,

■ 0.0000, 0.0000,

216.1588, 322.1921

1.3035

224.6925,
262.3415, 383.7868

■ 0.0000, 0.0000,
0.0647

■ 0.0000, 0.0000,
0.0000

■ 25.2074, 32.7837,
62.7569

■ 25.2074, 32.7837,
62.7569

■ 25.2064, 32.7815,
62.7572

■ 26.1868, 34.2974,
62.9981

■ 27.5011, 36.0107,
63.2595

■ 29.2596, 37.9809,
63.5471

■ 31.5204, 40.2380,
63.8636

■ 34.3328, 42.8077,
64.2114

■ 37.7397, 45.7124,
64.5925

■ 41.7801, 48.9722,
65.0088

■ 46.4893, 52.6057,
65.4619

■ 51.9001, 56.6299,
65.9535

Harmonies

Analogous

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



22.6799, 32.7837, 46.7280



25.2074, 32.7837, 62.7569



29.5344, 32.7837, 72.1707

Triad

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



25.2074, 32.7837, 62.7569



42.1328, 32.7837, 40.6473



27.7783, 32.7837, 14.9884

Complementary

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



25.2074, 32.7837, 62.7569



25.8096, 14.2439, 1.3904

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.



32.8440, 32.7837, 14.2033



25.2074, 32.7837, 62.7569



41.5272, 32.7837, 26.5531

Square

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



25.2074, 32.7837, 62.7569



39.5554, 32.7837, 57.2539



37.9827, 32.7837, 17.8056



24.0453, 32.7837, 20.3688

Rectangle

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



25.2074, 32.7837, 62.7569



33.0235, 32.7837, 72.0311



37.9827, 32.7837, 17.8056



29.3678, 32.7837, 14.2506

Sweetspot

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



25.2085, 32.7848, 62.7577



68.1473, 79.9888, 106.4554



22.1238, 43.7801, 8.8133



13.9575, 16.6195, 22.7222



0.0000, 0.0000, 0.0000



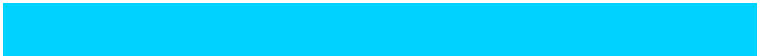
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2085, 32.7848, 62.7577



41.1487, 53.4175, 102.7496



13.1094, 8.5866, 58.7247



11.3691, 12.3787, 14.3605



15.7542, 20.5323, 39.0891



0.8579, 1.1495, 2.0316

Inverse Universe

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



32.3392, 15.8449, 38.8911



52.8992, 25.9237, 63.3264



34.0780, 30.7806, 4.1465



11.5997, 11.3686, 13.6925



20.1629, 9.8757, 24.3742



1.0630, 0.5186, 1.3774

Previews

White Background



This preview shows how the XYZ color 25.2074, 32.7837, 62.7569 looks on a white background.

Color Contrast Check

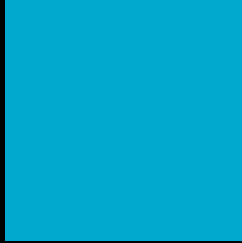
Large Text (above 18pt) WCAG AA × Fail

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 25.2074, 32.7837, 62.7569 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

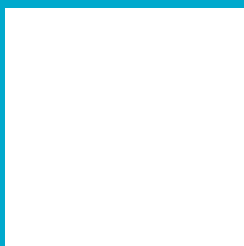
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2074, 32.7837, 62.7569

Background



This preview shows how black text looks on a background with the XYZ color 25.2074, 32.7837, 62.7569.

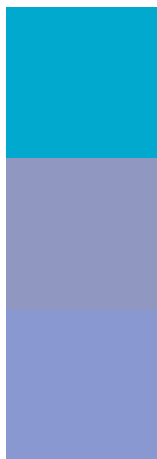


This preview shows how white text looks on a background with the XYZ color 25.2074, 32.7837,

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

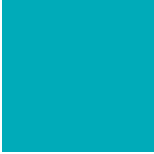
25.2074, 32.7837, 62.7569

Protanopia

32.3555, 32.2360, 54.9689

Deuteranopia

33.2181, 32.4632, 64.8368



Tritanopia

23.3199, 32.6286, 50.9678

Trichromacy



Original Color

25.2074, 32.7837, 62.7569

Protanomaly

26.7185, 30.7602, 57.3524

Deuteranomaly

27.6365, 31.0825, 64.2174

Tritanomaly

23.8892, 32.5552, 54.8939

Monochromacy



Original Color

25.2074, 32.7837, 62.7569

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2697, 22.6758, 33.5509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2074, 32.7837, 62.7569 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, 169, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 205)  
}
```

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, 169, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 205) }
```

Border

The CSS property to change the border of an element to XYZ 25.2074, 32.7837, 62.7569 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, 169, 205) }
```


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

```
.border{ border-color:rgb(0, 169, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2074, 32.7837, 62.7569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 205) }
```

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

```
.background{ background-color: rgb(0, 169,  
205) }
```

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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