

Converting Colors

XYZ(12.2342, 26.3097, 61.7679)

Have a look what the booklet for
XYZ(12.2342, 26.3097, 61.7679)
contains.

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Color

**XYZ(25.2738, 33.1091,
62.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	00AACC
RGB	0, 170, 204
RGB Percent	0%, 67%, 80%
CMY	0.9998, 0.3333, 0.2000
CMYK	1.00, 0.17, 0.00, 0.20
HSL	190°, 100%, 40%
HSV	190°, 100%, 80%
XYZ	25.2738, 33.1091, 62.1854
YIQ	123.0460, -112.2340, -25.4660

Conversions

Conversions Part 2

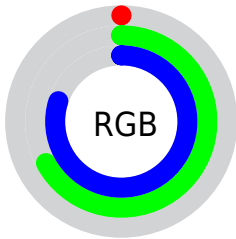
Format	Color
RYB	0, 93, 204
Decimal	43724
CIELab	64.25, -24.38, -27.57
CIELCh	64, 36.805, 228.522
Yxy	33.1091, 0.2096, 0.2746
Android (android.graphics.Color)	4278233804 (0xFF00AACC)
YUV	123.0460, 39.9103, -107.9113
Hunter-Lab	57.5405, -22.2925, -23.7978

Details

The XYZ color **25.2738, 33.1091, 62.1854** 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 **25.4756, 13.9841, 1.3577**, and the grayscale version is **18.7457, 19.7219, 21.4771**.

A 20% lighter version of the original color is **50.7258, 64.4375, 104.3719**, and **11.9835, 15.1589, 31.1485** is the 20% darker color. If you saturate the color by 10%, you get **25.2730, 33.1072, 62.1857**, and if you desaturate by 10%, it is **26.2178, 34.5550, 62.4154**.

Distribution



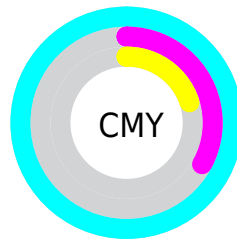
- Red (0%)
- Green (67%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2738, 33.1091, 62.1854 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 25.2738, 33.1091, 62.1854 by changing the saturation by 10% instead.

■ 25.2738, 33.1091,
62.1854

■ 25.2738, 33.1091,
62.1854

271.5213,
316.1411, 450.6334

■ 16.4110, 22.2100,
44.7458

■ 51.5408, 64.5458,
109.5676

■ 9.9081, 14.0113,
30.9157

■ 69.6756, 85.8523,
140.3473

■ 5.3999, 8.1285,
20.2768

■ 91.6318, 111.3966,
176.4108

■ 2.5209, 4.1773,
12.4103

■ 117.7748,
141.5633, 218.1765

■ 0.9058, 1.7732,
6.8978

■ 148.4699,
176.7367, 266.0631

■ 0.0000, 0.4704,
3.3208

184.0824,

■ 0.0000, 0.0000,

217.3012, 320.4891

1.2607

224.9778,
263.6412, 381.8730

■ 0.0000, 0.0000,
0.0292

■ 0.0000, 0.0000,
0.0000

■ 25.2738, 33.1091,
62.1854

■ 25.2738, 33.1091,
62.1854

■ 25.2730, 33.1072,
62.1857

■ 26.2178, 34.5550,
62.4154

■ 27.4908, 36.1946,
62.6648

■ 29.2012, 38.0845,
62.9394

■ 31.4065, 40.2546,
63.2420

■ 34.1552, 42.7300,
63.5750

■ 37.4898, 45.5328,
63.9402

■ 41.4488, 48.6830,
64.3396

■ 46.0669, 52.1987,
64.7748

■ 51.3767, 56.0969,
65.2474

Harmonies

Analogous

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



22.8729, 33.1091, 45.9834



25.2738, 33.1091, 62.1854



29.5124, 33.1091, 72.2323

Triad

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



25.2738, 33.1091, 62.1854



42.3758, 33.1091, 42.0831



28.3847, 33.1091, 15.0735

Complementary

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



25.2738, 33.1091, 62.1854



25.4756, 13.9841, 1.3577

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.



33.5107, 33.1091, 14.5676



25.2738, 33.1091, 62.1854



41.9875, 33.1091, 27.6615

Square

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



25.2738, 33.1091, 62.1854



39.6112, 33.1091, 58.6589



38.6024, 33.1091, 18.5063



24.5271, 33.1091, 20.1557

Rectangle

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



25.2738, 33.1091, 62.1854



32.9815, 33.1091, 72.6426



38.6024, 33.1091, 18.5063



30.0039, 33.1091, 14.4273

Sweetspot

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



25.2749, 33.1103, 62.1862



68.3510, 80.3961, 106.5233



21.8829, 43.3022, 8.7210



14.0067, 16.7179, 22.7386



0.0000, 0.0000, 0.0000



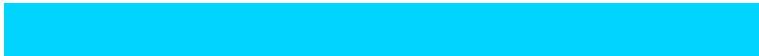
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2749, 33.1103, 62.1862



41.7168, 54.5536, 102.9389



12.9687, 8.4978, 58.0841



11.3779, 12.3963, 14.3634



15.9657, 20.9555, 39.1596



0.8670, 1.1678, 2.0347

Inverse Universe

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



32.1585, 15.7408, 39.3747



53.1859, 26.0384, 64.8363



33.7087, 30.4503, 4.1021



11.6041, 11.3704, 13.7159



20.2697, 9.9185, 24.9365



1.0676, 0.5204, 1.4017

Previews

White Background



This preview shows how the XYZ color 25.2738, 33.1091, 62.1854 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 25.2738, 33.1091, 62.1854 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

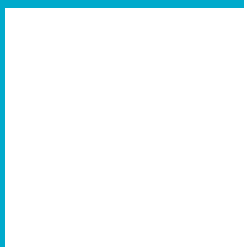
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2738, 33.1091, 62.1854

Background



This preview shows how black text looks on a background with the XYZ color 25.2738, 33.1091, 62.1854.

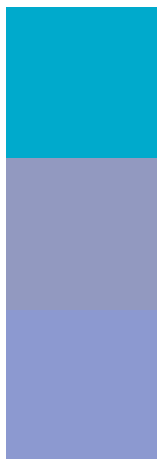


This preview shows how white text looks on a background with the XYZ color 25.2738, 33.1091,

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

25.2738, 33.1091, 62.1854

Protanopia

32.7597, 32.6992, 54.4541

Deuteranopia

33.5916, 32.9120, 64.2567



Tritanopia

23.6155, 33.0502, 51.5890

Trichromacy



Original Color

25.2738, 33.1091, 62.1854

Protanomaly

26.8761, 31.1090, 56.8127

Deuteranomaly

27.7804, 31.4251, 63.6330

Tritanomaly

24.1885, 32.9761, 55.5422

Monochromacy



Original Color

25.2738, 33.1091, 62.1854

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.1875, 22.6429, 33.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2738, 33.1091, 62.1854 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, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 204) }
```

Border

The CSS property to change the border of an element to XYZ 25.2738, 33.1091, 62.1854 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, 170, 204) }
```


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

```
.border{ border-color:rgb(0, 170, 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, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2738, 33.1091, 62.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 204) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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