

Converting Colors

XYZ(16.0768, 28.8652, 60.0023)

Have a look what the booklet for
XYZ(16.0768, 28.8652, 60.0023)
contains.

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Color

**XYZ(25.2951, 33.7221,
60.4342)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACC9
RGB	0, 172, 201
RGB Percent	0%, 67%, 79%
CMY	0.9998, 0.3255, 0.2118
CMYK	1.00, 0.14, 0.00, 0.21
HSL	189°, 100%, 39%
HSV	189°, 100%, 79%
XYZ	25.2951, 33.7221, 60.4342
YIQ	123.8780, -111.8210, -27.4450

Conversions

Conversions Part 2

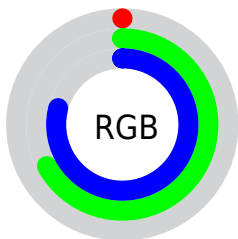
Format	Color
RYB	0, 93, 201
Decimal	44233
CIELab	64.74, -26.41, -25.15
CIELCh	65, 36.471, 223.606
Yxy	33.7221, 0.2118, 0.2823
Android (android.graphics.Color)	4278234313 (0xFF00ACC9)
YUV	123.8780, 38.0211, -108.6410
Hunter-Lab	58.0707, -23.8708, -21.0536

Details

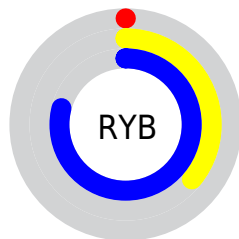
The XYZ color **25.2951, 33.7221, 60.4342** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.5282, 13.2984, 1.2752**, and the grayscale version is **19.0261, 20.0169, 21.7984**.

A 20% lighter version of the original color is **51.1602, 65.4735, 104.5490**, and **11.8633, 15.3002, 29.9317** is the 20% darker color. If you saturate the color by 10%, you get **25.2946, 33.7209, 60.4346**, and if you desaturate by 10%, it is **26.1451, 34.9894, 60.6347**.

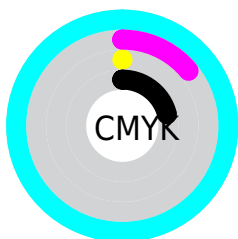
Distribution



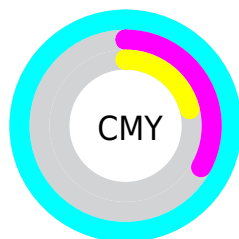
- Red (0%)
- Green (67%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2951, 33.7221, 60.4342 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 25.2951, 33.7221, 60.4342 by changing the saturation by 10% instead.

■ 25.2951, 33.7221,
60.4342

■ 25.2951, 33.7221,
60.4342

271.6250,
318.8911, 444.0454

■ 16.4270, 22.6802,
43.3411

■ 51.5750, 65.5013,
107.0088

■ 9.9195, 14.3575,
29.8195

■ 69.7175, 87.0073,
137.3274

■ 5.4075, 8.3698,
19.4507

■ 91.6821, 112.7702,
172.8916

■ 2.5255, 4.3324,
11.8163

■ 117.8342,
143.1744, 214.1199

■ 0.9081, 1.8612,
6.4977

■ 148.5392,
178.6041, 261.4309

■ 0.0000, 0.5249,
3.0764

184.1625,

■ 0.0000, 0.0000,

219.4439, 315.2431

1.1338

225.0693,
266.0781, 375.9751

■ 0.0000, 0.0000,
0.0000

■ 25.2951, 33.7221,
60.4342

■ 25.2951, 33.7221,
60.4342

■ 25.2946, 33.7209,
60.4346

■ 26.1451, 34.9894,
60.6347

■ 27.3084, 36.4356,
60.8525

■ 28.8905, 38.1157,
61.0934

■ 30.9467, 40.0585,
61.3600

■ 33.5236, 42.2881,
61.6546

■ 36.6624, 44.8258,
61.9790

■ 40.3999, 47.6906,
62.3349

■ 44.7698, 50.9001,
62.7241

■ 49.8032, 54.4705,
63.1480

Harmonies

Analogous

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



23.2218, 33.7221, 43.9335



25.2951, 33.7221, 60.4342



29.2911, 33.7221, 71.9440

Triad

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



25.2951, 33.7221, 60.4342



42.7231, 33.7221, 45.4797



29.7393, 33.7221, 15.2050

Complementary

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



25.2951, 33.7221, 60.4342



24.5282, 13.2984, 1.2752

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.



34.9808, 33.7221, 15.4077



25.2951, 33.7221, 60.4342



42.8770, 33.7221, 30.3386

Square

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



25.2951, 33.7221, 60.4342



39.5160, 33.7221, 61.8287



39.9159, 33.7221, 20.1938



25.5923, 33.7221, 19.5347

Rectangle

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



25.2951, 33.7221, 60.4342



32.6898, 33.7221, 73.7058



39.9159, 33.7221, 20.1938



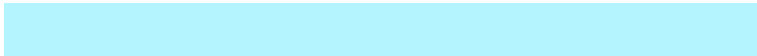
31.4222, 33.7221, 14.7906

Sweetspot

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



25.2962, 33.7233, 60.4350



68.8640, 81.4222, 106.6943



21.0833, 41.8524, 7.9940



14.1308, 16.9661, 22.7800



0.0000, 0.0000, 0.0000



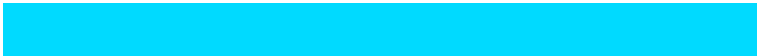
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2962, 33.7233, 60.4350



43.1742, 57.4684, 103.4247



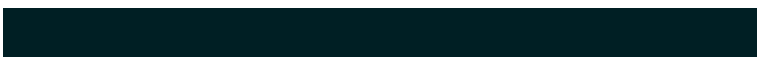
12.9737, 9.0783, 56.3275



10.8112, 11.7966, 13.6246



15.9559, 21.3056, 38.0158



0.7921, 1.0821, 1.8123

Inverse Universe

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



31.5347, 15.3972, 40.3408



53.9215, 26.3326, 68.7101



31.7181, 27.6780, 3.6718



11.0148, 10.7893, 13.0610



19.8531, 9.6908, 25.5001



0.9585, 0.4663, 1.3048

Previews

White Background



This preview shows how the XYZ color 25.2951, 33.7221, 60.4342 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 25.2951, 33.7221, 60.4342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

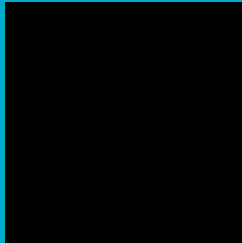
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.2951, 33.7221, 60.4342

Background



This preview shows how black text looks on a background with the XYZ color 25.2951, 33.7221, 60.4342.

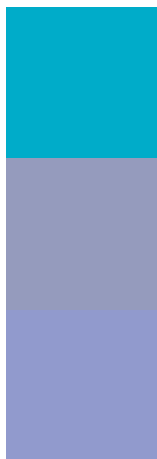


This preview shows how white text looks on a background with the XYZ color 25.2951, 33.7221,

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

25.2951, 33.7221, 60.4342

Protanopia

33.3011, 33.5064, 52.8563

Deuteranopia

34.2521, 33.5387, 62.4259



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



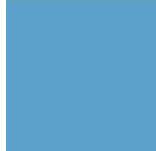
Original Color

25.2951, 33.7221, 60.4342



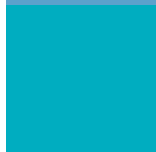
Protanomaly

27.0898, 31.7729, 55.1571



Deuteranomaly

28.0576, 32.1247, 61.8486



Tritanomaly

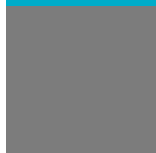
24.4580, 33.6929, 55.0835

Monochromacy



Original Color

25.2951, 33.7221, 60.4342



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.4168, 22.9790, 33.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2951, 33.7221, 60.4342 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, 172, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 201)  
}
```

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, 172, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 201) }
```

Border

The CSS property to change the border of an element to XYZ 25.2951, 33.7221, 60.4342 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, 172, 201) }
```


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

```
.border{ border-color:rgb(0, 172, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2951, 33.7221, 60.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 201) }
```

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

```
.background{ background-color: rgb(0, 172,  
201) }
```

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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