

Converting Colors

XYZ(25.2229, 31.3129, 67.3917)

Have a look what the booklet for
XYZ(25.2229, 31.3129, 67.3917)
contains.

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Color

**XYZ(25.2857, 31.3550,
67.6702)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4D5
RGB	0, 164, 213
RGB Percent	0%, 64%, 84%
CMY	0.9998, 0.3569, 0.1647
CMYK	1.00, 0.23, 0.00, 0.16
HSL	194°, 100%, 42%
HSV	194°, 100%, 84%
XYZ	25.2857, 31.3550, 67.6702
YIQ	120.5500, -113.4730, -19.5290

Conversions

Conversions Part 2

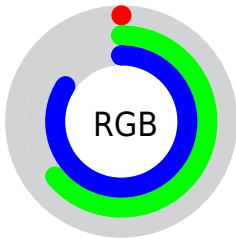
Format	Color
R _{YB}	0, 93, 213
Decimal	42197
CIE Lab	62.81, -18.11, -34.80
CIE LCh	63, 39.233, 242.515
Yxy	31.3550, 0.2034, 0.2522
Android (android.graphics.Color)	4278232277 (0xFF00A4D5)
YUV	120.5500, 45.5778, -105.7223
Hunter-Lab	55.9955, -17.3876, -32.4547

Details

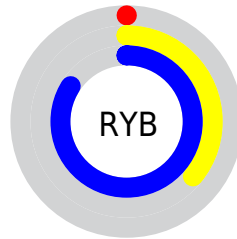
The XYZ color **25.2857, 31.3550, 67.6702** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.5416, 16.3473, 1.6525**, and the grayscale version is **17.9185, 18.8517, 20.5295**.

A 20% lighter version of the original color is **48.9750, 60.7666, 103.7556**, and **11.9657, 14.0570, 34.4304** is the 20% darker color. If you saturate the color by 10%, you get **25.2840, 31.3515, 67.6702**, and if you desaturate by 10%, it is **26.4971, 33.3073, 67.9838**.

Distribution



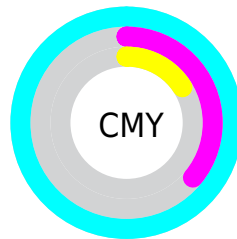
- Red (0%)
- Green (64%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2857, 31.3550, 67.6702 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 25.2857, 31.3550, 67.6702 by changing the saturation by 10% instead.

■ 25.2857, 31.3550,
67.6702

■ 25.2857, 31.3550,
67.6702

271.5792,
308.1705, 470.8929

■ 16.4199, 20.8693,
49.1645

■ 51.5599, 61.7986,
117.5300

■ 9.9145, 13.0285,
34.3834

■ 69.6990, 82.5252,
149.7211

■ 5.4041, 7.4482,
22.9086

■ 91.6599, 107.4343,
187.3110

■ 2.5235, 3.7439,
14.3214

■ 117.8080,
136.9103, 230.7184

■ 0.9071, 1.5314,
8.2032

■ 148.5087,
171.3375, 280.3618

■ 0.0000, 0.3107,
4.1356

184.1272,

■ 0.0000, 0.0000,

211.1003, 336.6596

1.7000

225.0289,
256.5832, 400.0305

■ 0.0000, 0.0000,
0.3608

■ 0.0000, 0.0000,
0.0000

■ 25.2857, 31.3550,
67.6702

■ 25.2857, 31.3550,
67.6702

■ 25.2840, 31.3515,
67.6702

■ 26.4971, 33.3073,
67.9838

■ 28.0903, 35.5067,
68.3244

■ 30.1827, 38.0147,
68.6982

■ 32.8384, 40.8649,
69.1084

■ 36.1119, 44.0859,
69.5575

■ 40.0506, 47.7027,
70.0481

■ 44.6975, 51.7379,
70.5820

■ 50.0917, 56.2122,
71.1613

■ 56.2691, 61.1446,
71.7878

Harmonies

Analogous

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



21.9148, 31.3550, 52.6314



25.2857, 31.3550, 67.6702



30.2573, 31.3550, 73.0279

Triad

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



25.2857, 31.3550, 67.6702



41.3545, 31.3550, 32.8591



24.5889, 31.3550, 14.7814

Complementary

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



25.2857, 31.3550, 67.6702



28.5416, 16.3473, 1.6525

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.



29.3512, 31.3550, 12.2984



25.2857, 31.3550, 67.6702



39.3853, 31.3550, 20.5835

Square

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



25.2857, 31.3550, 67.6702



39.9334, 31.3550, 49.6889



34.8264, 31.3550, 14.0512



21.5478, 31.3550, 22.2294

Rectangle

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



25.2857, 31.3550, 67.6702



33.9336, 31.3550, 69.3951



34.8264, 31.3550, 14.0512



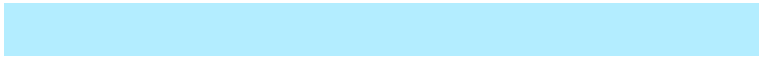
26.0202, 31.3550, 13.4599

Sweetspot

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



25.2868, 31.3561, 67.6710



66.9245, 77.5431, 106.0478



24.2920, 47.7881, 10.5482



13.6626, 16.0296, 22.6239



0.0000, 0.0000, 0.0000



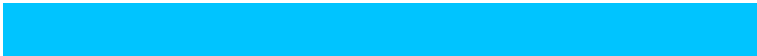
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2868, 31.3561, 67.6710



37.8633, 46.8467, 101.6544



13.6472, 8.0769, 63.7911



12.5387, 13.6007, 15.9019



15.5251, 19.3120, 41.3625



0.9968, 1.2857, 2.5149

Inverse Universe

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



34.1424, 16.8278, 36.5714



51.2409, 25.2603, 54.5938



38.7777, 36.8195, 5.0645



12.8251, 12.5815, 15.0192



20.8952, 10.2944, 22.5501



1.2908, 0.6331, 1.5207

Previews

White Background



This preview shows how the XYZ color 25.2857, 31.3550, 67.6702 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 25.2857, 31.3550, 67.6702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

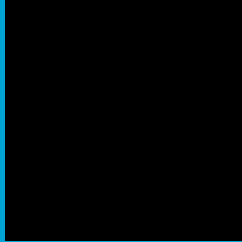
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.2857, 31.3550, 67.6702

Background



This preview shows how black text looks on a background with the XYZ color 25.2857, 31.3550, 67.6702.

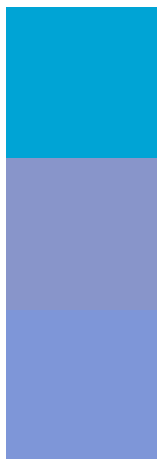


This preview shows how white text looks on a background with the XYZ color 25.2857, 31.3550,

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

25.2857, 31.3550, 67.6702

Protanopia

31.5615, 30.9934, 60.1960

Deuteranopia

31.9052, 31.2062, 69.3076



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

25.2857, 31.3550, 67.6702



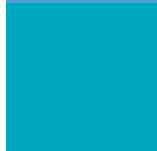
Protanomaly

26.6267, 29.5937, 62.7013



Deuteranomaly

27.2954, 30.0545, 68.6525



Tritanomaly

23.4444, 31.4877, 55.2942

Monochromacy



Original Color

25.2857, 31.3550, 67.6702



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.8390, 21.8022, 33.8399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2857, 31.3550, 67.6702 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, 164, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 213) }
```

Border

The CSS property to change the border of an element to XYZ 25.2857, 31.3550, 67.6702 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, 164, 213) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2857, 31.3550, 67.6702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 213) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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