

Converting Colors

XYZ(25.7737, 31.1311, 71.5323)

Have a look what the booklet for
XYZ(25.7737, 31.1311, 71.5323)
contains.

XYZ(25.8834, 31.3089, 71.6968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8834, 31.3089,
71.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3DB
RGB	0, 163, 219
RGB Percent	0%, 64%, 86%
CMY	0.9998, 0.3608, 0.1412
CMYK	1.00, 0.26, 0.00, 0.14
HSL	195°, 100%, 43%
HSV	195°, 100%, 86%
XYZ	25.8834, 31.3089, 71.6968
YIQ	120.6470, -115.1240, -17.1400

Conversions

Conversions Part 2

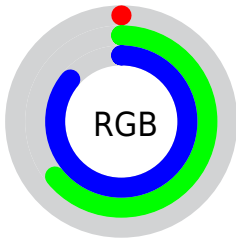
Format	Color
RYB	0, 93, 219
Decimal	41947
CIELab	62.77, -15.43, -38.19
CIELCh	63, 41.189, 248.005
Yxy	31.3089, 0.2008, 0.2429
Android (android.graphics.Color)	4278232027 (0xFF00A3DB)
YUV	120.6470, 48.4880, -105.8074
Hunter-Lab	55.9544, -15.3495, -36.8029

Details

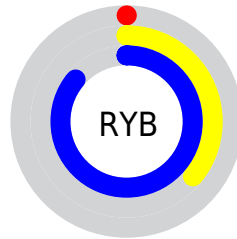
The XYZ color **25.8834, 31.3089, 71.6968** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.6308, 17.8939, 1.8410**, and the grayscale version is **17.9413, 18.8757, 20.5556**.

A 20% lighter version of the original color is **48.8303, 60.3059, 103.6743**, and **12.3853, 14.0492, 37.1810** is the 20% darker color. If you saturate the color by 10%, you get **25.8813, 31.3046, 71.6967**, and if you desaturate by 10%, it is **27.2305, 33.5131, 72.0519**.

Distribution



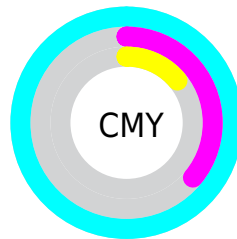
- Red (0%)
- Green (64%)
- Blue (86%)



- Red (0%)
- Yellow (36%)
- Blue (86%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (36%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8834, 31.3089, 71.6968 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 25.8834, 31.3089, 71.6968 by changing the saturation by 10% instead.

■ 25.8834, 31.3089,
71.6968

■ 25.8834, 31.3089,
71.6968

274.4764,
307.9589, 485.4347

■ 16.8687, 20.8342,
52.4257

■ 52.5194, 61.7261,
123.3291

■ 10.2356, 13.0028,
36.9599

■ 70.8714, 82.4373,
156.5273

■ 5.6189, 7.4305,
24.8809

■ 93.0665, 107.3295,
195.2051

■ 2.6532, 3.7328,
15.7702

■ 119.4701,
136.7871, 239.7808

■ 0.9731, 1.5252,
9.2091

■ 150.4476,
171.1944, 290.6731

■ 0.0000, 0.3064,
4.7791

186.3642,

■ 0.0000, 0.0000,

210.9359, 348.3005

2.0618

227.5854,
256.3959, 413.0815

■ 0.0000, 0.0000,
0.5929

■ 0.0000, 0.0000,
0.0000

■ 25.8834, 31.3089,
71.6968

■ 25.8834, 31.3089,
71.6968

■ 25.8813, 31.3046,
71.6967

■ 27.2305, 33.5131,
72.0519

■ 28.9944, 35.9980,
72.4386

■ 31.2987, 38.8285,
72.8635

■ 34.2125, 42.0410,
73.3300

■ 37.7942, 45.6664,
73.8410

■ 42.0949, 49.7318,
74.3990

■ 47.1606, 54.2617,
75.0064

■ 53.0332, 59.2785,
75.6652

■ 59.7516, 64.8028,
76.3774

Harmonies

Analogous

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



22.0140, 31.3089, 56.9777



25.8834, 31.3089, 71.6968



31.2921, 31.3089, 74.9546

Triad

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



25.8834, 31.3089, 71.6968



41.8233, 31.3089, 29.9502



23.5751, 31.3089, 15.0249

Complementary

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



25.8834, 31.3089, 71.6968



30.6308, 17.8939, 1.8410

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.



28.2752, 31.3089, 11.6759



25.8834, 31.3089, 71.6968



39.1340, 31.3089, 18.3359

Square

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



25.8834, 31.3089, 71.6968



40.9725, 31.3089, 47.0765



34.0015, 31.3089, 12.6594



20.8031, 31.3089, 23.7428

Rectangle

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



25.8834, 31.3089, 71.6968



35.1389, 31.3089, 69.4640



34.0015, 31.3089, 12.6594



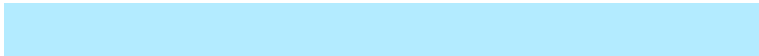
24.9568, 31.3089, 13.3830

Sweetspot

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



25.8845, 31.3100, 71.6976



66.3577, 76.4096, 105.8589



26.0170, 50.9377, 12.0490



13.5262, 15.7569, 22.5784



0.0000, 0.0000, 0.0000



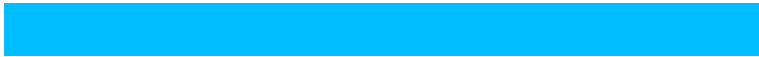
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8845, 31.3100, 71.6976



36.4157, 43.9515, 101.1719



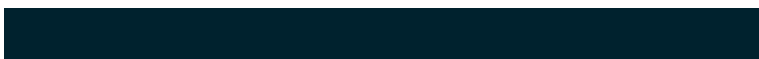
14.1433, 7.8275, 67.7839



13.1483, 14.2363, 16.7070



15.4385, 18.7464, 42.5431



1.0678, 1.3497, 2.7787

Inverse Universe

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



35.8253, 17.7058, 36.1806



50.5102, 24.9681, 50.7461



42.5368, 41.7060, 5.8097



13.4647, 13.2150, 15.7084



21.2880, 10.5162, 21.6942



1.4133, 0.6949, 1.5852

Previews

White Background



This preview shows how the XYZ color 25.8834, 31.3089, 71.6968 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 25.8834, 31.3089, 71.6968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

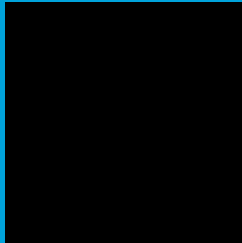
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8834, 31.3089, 71.6968

Background



This preview shows how black text looks on a background with the XYZ color 25.8834, 31.3089, 71.6968.

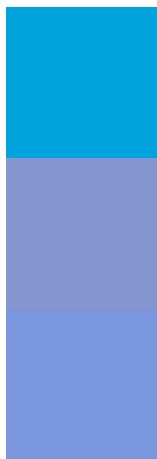


This preview shows how white text looks on a background with the XYZ color 25.8834, 31.3089,

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

25.8834, 31.3089, 71.6968

Protanopia

31.8055, 31.0355, 63.9886

Deuteranopia

31.9763, 31.1516, 73.4348



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

25.8834, 31.3089, 71.6968

Protanomaly

27.1856, 29.7960, 66.6057

Deuteranomaly

27.8331, 30.2409, 72.7767

Tritanomaly

23.4865, 31.2126, 56.4165

Monochromacy



Original Color

25.8834, 31.3089, 71.6968

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9505, 21.6204, 35.1254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8834, 31.3089, 71.6968 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, 163, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 219)  
}
```

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, 163, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 219) }
```

Border

The CSS property to change the border of an element to XYZ 25.8834, 31.3089, 71.6968 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, 163, 219) }
```


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

```
.border{ border-color:rgb(0, 163, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8834, 31.3089, 71.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 219) }
```

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

```
.background{ background-color: rgb(0, 163,  
219) }
```

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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