

Converting Colors

XYZ(26.1767, 34.4245, 72.1263)

Have a look what the booklet for
XYZ(26.1767, 34.4245, 72.1263)
contains.

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Color

**XYZ(27.9222, 35.3866,
72.3765)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEDB
RGB	0, 174, 219
RGB Percent	0%, 68%, 86%
CMY	0.9998, 0.3176, 0.1412
CMYK	1.00, 0.21, 0.00, 0.14
HSL	192°, 100%, 43%
HSV	192°, 100%, 86%
XYZ	27.9222, 35.3866, 72.3765
YIQ	127.1040, -118.1490, -22.8930

Conversions

Conversions Part 2

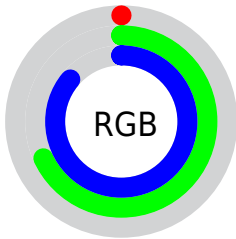
Format	Color
RYB	0, 97, 219
Decimal	44763
CIELab	66.05, -21.27, -33.08
CIELCh	66, 39.332, 237.258
Yxy	35.3866, 0.2058, 0.2608
Android (android.graphics.Color)	4278234843 (0xFF00AEDB)
YUV	127.1040, 45.3047, -111.4702
Hunter-Lab	59.4866, -20.3162, -30.4966

Details

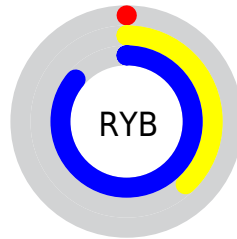
The XYZ color **27.9222, 35.3866, 72.3765** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.1542, 16.9407, 1.6820**, and the grayscale version is **20.0923, 21.1387, 23.0200**.

A 20% lighter version of the original color is **52.1725, 66.8169, 104.7549**, and **13.5382, 16.3551, 37.5653** is the 20% darker color. If you saturate the color by 10%, you get **27.9209, 35.3836, 72.3767**, and if you desaturate by 10%, it is **29.1368, 37.3259, 72.6875**.

Distribution



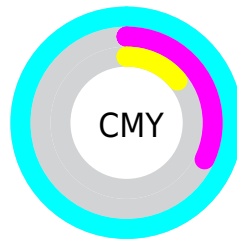
- Red (0%)
- Green (68%)
- Blue (86%)



- Red (0%)
- Yellow (38%)
- Blue (86%)



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



- Cyan (100%)
- Magenta (32%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9222, 35.3866, 72.3765 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 27.9222, 35.3866, 72.3765 by changing the saturation by 10% instead.

■ 27.9222, 35.3866,
72.3765

■ 27.9222, 35.3866,
72.3765

284.1818,
326.2715, 487.8637

■ 18.4072, 23.9608,
52.9776

■ 55.7697, 68.0842,
124.3044

■ 11.3442, 15.3046,
37.3973

■ 74.8329, 90.1249,
157.6704

■ 6.3678, 9.0334,
25.2170

■ 97.8096, 116.4726,
196.5292

■ 3.1128, 4.7630,
16.0183

■ 125.0650,
147.5119, 241.2993

■ 1.2137, 2.1089,
9.3826

■ 156.9646,
183.6270, 292.3993

■ 0.1171, 0.6696,
4.8914

193.8737,

■ 0.0000, 0.0000,

225.2024, 350.2476

2.1261

236.1576,
272.6224, 415.2629

■ 0.0000, 0.0000,
0.6312

■ 0.0000, 0.0000,
0.0000

■ 27.9222, 35.3866,
72.3765

■ 27.9222, 35.3866,
72.3765

■ 27.9209, 35.3836,
72.3767

■ 29.1368, 37.3259,
72.6875

■ 30.7529, 39.5153,
73.0249

■ 32.8938, 42.0193,
73.3954

■ 35.6286, 44.8740,
73.8023

■ 39.0152, 48.1095,
74.2483

■ 43.1045, 51.7526,
74.7360

■ 47.9424, 55.8272,
75.2675

■ 53.5705, 60.3552,
75.8448

■ 60.0274, 65.3568,
76.4699

Harmonies

Analogous

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



24.6119, 35.3866, 55.2030



27.9222, 35.3866, 72.3765



33.0998, 35.3866, 80.3722

Triad

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



27.9222, 35.3866, 72.3765



46.1342, 35.3866, 40.0883



28.7517, 35.3866, 16.4399

Complementary

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



27.9222, 35.3866, 72.3765



30.1542, 16.9407, 1.6820

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.



34.1737, 35.3866, 14.5183



27.9222, 35.3866, 72.3765



44.6284, 35.3866, 25.6056

Square

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



27.9222, 35.3866, 72.3765



43.9832, 35.3866, 58.6575



40.0758, 35.3866, 17.3269



25.0505, 35.3866, 23.6304

Rectangle

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



27.9222, 35.3866, 72.3765



37.0741, 35.3866, 78.0921



40.0758, 35.3866, 17.3269



30.4134, 35.3866, 15.2664

Sweetspot

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



27.9234, 35.3878, 72.3774



67.4729, 78.6400, 106.2306



25.7840, 50.8446, 10.8221



13.7947, 16.2939, 22.6679



0.0000, 0.0000, 0.0000



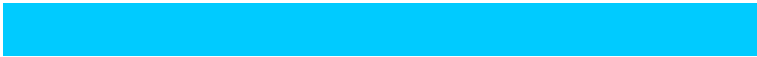
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9234, 35.3878, 72.3774



39.3099, 49.7398, 102.1366



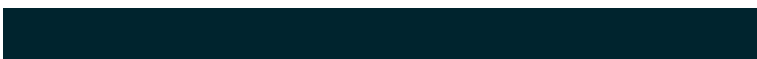
14.7197, 8.9803, 67.9761



13.2058, 14.3514, 16.7262



16.6361, 21.1417, 42.9423



1.1363, 1.4867, 2.8015

Inverse Universe

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



36.8545, 18.1174, 41.6001



51.9710, 25.5524, 58.4387



40.6569, 37.9462, 5.1829



13.4938, 13.2266, 15.8613



21.8925, 10.7580, 24.8776



1.4478, 0.7088, 1.7672

Previews

White Background



This preview shows how the XYZ color 27.9222, 35.3866, 72.3765 looks on a white background.

Color Contrast Check

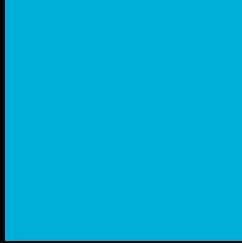
Large Text (above 18pt) WCAG AA × Fail

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 27.9222, 35.3866, 72.3765 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

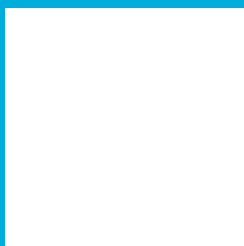
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9222, 35.3866, 72.3765

Background



This preview shows how black text looks on a background with the XYZ color 27.9222, 35.3866, 72.3765.

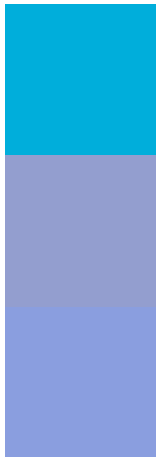


This preview shows how white text looks on a background with the XYZ color 27.9222, 35.3866,

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

27.9222, 35.3866, 72.3765

Protanopia

35.5220, 35.1618, 63.9462

Deuteranopia

36.0274, 35.1847, 74.7045



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

27.9222, 35.3866, 72.3765



Protanomaly

29.6494, 33.6338, 66.5573



Deuteranomaly

30.4848, 33.8996, 74.0438



Tritanomaly

26.0679, 35.2677, 60.6918

Monochromacy



Original Color

27.9222, 35.3866, 72.3765



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.7118, 24.2339, 36.8964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9222, 35.3866, 72.3765 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, 174, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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, 174, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.9222, 35.3866, 72.3765 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, 174, 219) }
```


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

```
.border{ border-color:rgb(0, 174, 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, 174, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9222, 35.3866, 72.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 219) }
```

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

```
.background{ background-color: rgb(0, 174,  
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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