

Converting Colors

XYZ(28.1700, 34.1556, 77.7819)

Have a look what the booklet for
XYZ(28.1700, 34.1556, 77.7819)
contains.

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Color

**XYZ(28.2399, 34.2955,
77.8043)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAE3
RGB	0, 170, 227
RGB Percent	0%, 67%, 89%
CMY	0.9997, 0.3333, 0.1098
CMYK	1.00, 0.25, 0.00, 0.11
HSL	195°, 100%, 45%
HSV	195°, 100%, 89%
XYZ	28.2399, 34.2955, 77.8043
YIQ	125.6680, -119.6170, -18.3130

Conversions

Conversions Part 2

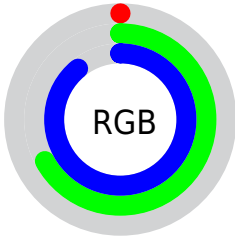
Format	Color
RYB	0, 97, 227
Decimal	43747
CIELab	65.20, -16.34, -38.81
CIELCh	65, 42.112, 247.162
Yxy	34.2955, 0.2012, 0.2444
Android (android.graphics.Color)	4278233827 (0xFF00AAE3)
YUV	125.6680, 49.9567, -110.2108
Hunter-Lab	58.5624, -16.4080, -37.7774

Details

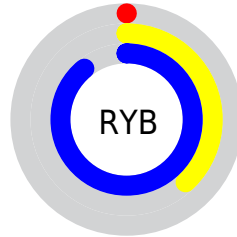
The XYZ color **28.2399, 34.2955, 77.8043** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.1455, 19.2637, 1.9732**, and the grayscale version is **19.5906, 20.6109, 22.4452**.

A 20% lighter version of the original color is **50.9191, 64.1346, 104.3032**, and **13.8291, 15.8971, 40.8677** is the 20% darker color. If you saturate the color by 10%, you get **28.2373, 34.2902, 77.8041**, and if you desaturate by 10%, it is **29.6805, 36.6600, 78.1855**.

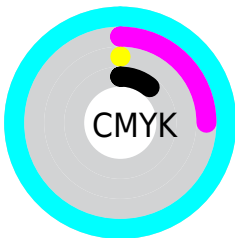
Distribution



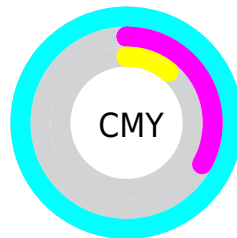
- Red (0%)
- Green (67%)
- Blue (89%)



- Red (0%)
- Yellow (38%)
- Blue (89%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2399, 34.2955, 77.8043 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 28.2399, 34.2955, 77.8043 by changing the saturation by 10% instead.

■ 28.2399, 34.2955,
77.8043

■ 28.2399, 34.2955,
77.8043

285.6708,
321.4477, 507.0123

■ 18.6480, 23.1207,
57.3977

■ 56.2732, 66.3929,
132.0576

■ 11.5187, 14.6827,
40.9132

■ 75.4453, 88.0844,
166.7414

■ 6.4867, 8.5970,
27.9321

■ 98.5414, 114.0501,
207.0213

■ 3.1867, 4.4793,
18.0359

■ 125.9270,
144.6746, 253.3159

■ 1.2532, 1.9451,
10.8060

■ 157.9674,
180.3422, 306.0438

■ 0.1478, 0.5753,
5.8240

195.0279,

■ 0.0000, 0.0000,

221.4373, 365.6235

2.6713

237.4739,
268.3443, 432.4734

■ 0.0000, 0.0000,
0.9289

■ 0.0000, 0.0000,
0.0000

■ 28.2399, 34.2955,
77.8043

■ 28.2399, 34.2955,
77.8043

■ 28.2373, 34.2902,
77.8041

■ 29.6805, 36.6600,
78.1855

■ 31.5743, 39.3272,
78.6005

■ 34.0536, 42.3668,
79.0565

■ 37.1938, 45.8184,
79.5572

■ 41.0589, 49.7159,
80.1058

■ 45.7047, 54.0887,
80.7050

■ 51.1814, 58.9635,
81.3573

■ 57.5348, 64.3647,
82.0649

■ 64.8072, 70.3148,
82.8301

Harmonies

Analogous

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



24.0901, 34.2955, 61.6214



28.2399, 34.2955, 77.8043



34.0860, 34.2955, 81.7498

Triad

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



28.2399, 34.2955, 77.8043



45.7209, 34.2955, 33.2961



25.9931, 34.2955, 16.4100

Complementary

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



28.2399, 34.2955, 77.8043



33.1455, 19.2637, 1.9732

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.



31.1517, 34.2955, 12.8928



28.2399, 34.2955, 77.8043



42.9019, 34.2955, 20.4605

Square

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



28.2399, 34.2955, 77.8043



44.6880, 34.2955, 52.0077



37.3803, 34.2955, 14.0994



22.9108, 34.2955, 25.7303

Rectangle

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



28.2399, 34.2955, 77.8043



38.2689, 34.2955, 76.0644



37.3803, 34.2955, 14.0994



27.5149, 34.2955, 14.6682

Sweetspot

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



28.2411, 34.2967, 77.8052



66.4588, 76.6118, 105.8925



28.2036, 55.2325, 13.0190



13.5505, 15.8055, 22.5865



0.0000, 0.0000, 0.0000



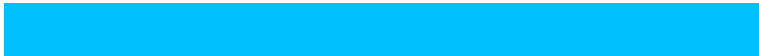
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2411, 34.2967, 77.8052



36.6704, 44.4608, 101.2568



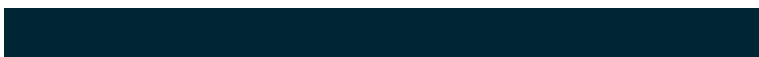
15.3192, 8.4529, 73.4979



14.4849, 15.6911, 18.4096



16.5653, 20.1926, 45.4077



1.2968, 1.6375, 3.3797

Inverse Universe

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



38.9354, 19.2348, 39.6917



50.6387, 25.0195, 51.4230



46.1040, 45.1808, 6.2927



14.8323, 14.5501, 17.3174



22.7549, 11.2362, 23.4020



1.7182, 0.8450, 1.9224

Previews

White Background



This preview shows how the XYZ color 28.2399, 34.2955, 77.8043 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 28.2399, 34.2955, 77.8043 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

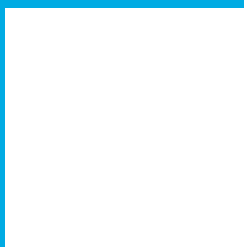
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2399, 34.2955, 77.8043

Background



This preview shows how black text looks on a background with the XYZ color 28.2399, 34.2955, 77.8043.

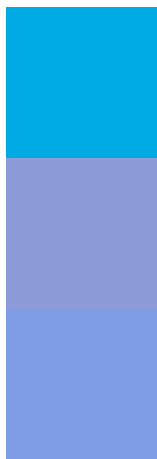


This preview shows how white text looks on a background with the XYZ color 28.2399, 34.2955,

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

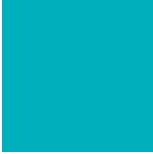
28.2399, 34.2955, 77.8043

Protanopia

34.8023, 33.9244, 69.0038

Deuteranopia

34.9238, 34.0021, 79.5853



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

28.2399, 34.2955, 77.8043



Protanomaly

29.4768, 32.3799, 71.7142



Deuteranomaly

30.2811, 32.8962, 78.8824



Tritanomaly

25.6042, 34.1514, 61.1195

Monochromacy



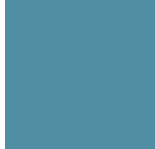
Original Color

28.2399, 34.2955, 77.8043



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.5921, 23.6958, 38.1915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2399, 34.2955, 77.8043 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 227) }
```

Border

The CSS property to change the border of an element to XYZ 28.2399, 34.2955, 77.8043 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, 227) }
```


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

```
.border{ border-color:rgb(0, 170, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2399, 34.2955, 77.8043 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, 227) }
```

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

```
.background{ background-color: rgb(0, 170,  
227) }
```

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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