

Converting Colors

XYZ(23.4666, 33.3891, 74.6011)

Have a look what the booklet for
XYZ(23.4666, 33.3891, 74.6011)
contains.

XYZ(28.5148, 35.9339, 74.5403)	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(28.5148, 35.9339,
74.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFDE
RGB	0, 175, 222
RGB Percent	0%, 69%, 87%
CMY	0.9998, 0.3137, 0.1294
CMYK	1.00, 0.21, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.5148, 35.9339, 74.5403
YIQ	128.0330, -119.3870, -22.4830

Conversions

Conversions Part 2

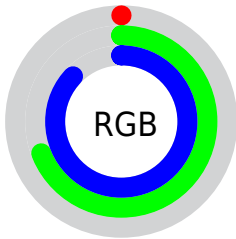
Format	Color
RYB	0, 98, 222
Decimal	45022
CIELab	66.47, -20.75, -34.08
CIELCh	66, 39.901, 238.661
Yxy	35.9339, 0.2052, 0.2585
Android (android.graphics.Color)	4278235102 (0xFF00AFDE)
YUV	128.0330, 46.3257, -112.2849
Hunter-Lab	59.9449, -19.9940, -31.7645

Details

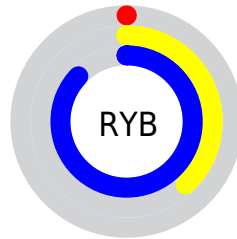
The XYZ color **28.5148, 35.9339, 74.5403** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.1435, 17.5672, 1.7510**, and the grayscale version is **20.4095, 21.4724, 23.3835**.

A 20% lighter version of the original color is **52.5698, 67.4360, 104.8535**, and **13.9346, 16.7091, 39.0500** is the 20% darker color. If you saturate the color by 10%, you get **28.5131, 35.9302, 74.5404**, and if you desaturate by 10%, it is **29.7829, 37.9703, 74.8673**.

Distribution



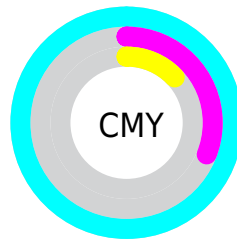
- Red (0%)
- Green (69%)
- Blue (87%)



- Red (0%)
- Yellow (38%)
- Blue (87%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5148, 35.9339, 74.5403 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 28.5148, 35.9339, 74.5403 by changing the saturation by 10% instead.

■ 28.5148, 35.9339,
74.5403

■ 28.5148, 35.9339,
74.5403

286.9544,
328.6715, 495.5492

■ 18.8565, 24.3832,
54.7369

■ 56.7082, 68.9300,
127.4025

■ 11.6700, 15.6181,
38.7939

■ 75.9741, 91.1442,
161.2984

■ 6.5900, 9.2543,
26.2929

■ 99.1731, 117.6816,
200.7290

■ 3.2511, 4.9074,
16.8151

■ 126.6708,
148.9267, 246.1126

■ 1.2879, 2.1930,
9.9422

■ 158.8324,
185.2639, 297.8679

■ 0.1741, 0.7162,
5.2556

196.0233,

■ 0.0000, 0.0000,

227.0774, 356.4134

2.3366

238.6088,
274.7519, 422.1677

■ 0.0000, 0.0000,
0.7516

■ 0.0000, 0.0000,
0.0000

■ 28.5148, 35.9339,
74.5403

■ 28.5148, 35.9339,
74.5403

■ 28.5131, 35.9302,
74.5404

■ 29.7829, 37.9703,
74.8673

■ 31.4679, 40.2688,
75.2221

■ 33.6964, 42.8957,
75.6117

■ 36.5397, 45.8882,
76.0394

■ 40.0578, 49.2777,
76.5083

■ 44.3035, 53.0918,
77.0207

■ 49.3240, 57.3554,
77.5790

■ 55.1627, 62.0912,
78.1854

■ 61.8593, 67.3201,
78.8417

Harmonies

Analogous

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



25.0235, 35.9339, 57.1458



28.5148, 35.9339, 74.5403



33.8861, 35.9339, 82.1572

Triad

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



28.5148, 35.9339, 74.5403



46.9906, 35.9339, 39.9006



28.9295, 35.9339, 16.7561

Complementary

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



28.5148, 35.9339, 74.5403



31.1435, 17.5672, 1.7510

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.



34.4235, 35.9339, 14.5707



28.5148, 35.9339, 74.5403



45.2726, 35.9339, 25.3586

Square

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



28.5148, 35.9339, 74.5403



44.9491, 35.9339, 58.8790



40.4918, 35.9339, 17.1972



25.2426, 35.9339, 24.3734

Rectangle

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



28.5148, 35.9339, 74.5403



37.9679, 35.9339, 79.3647



40.4918, 35.9339, 17.1972



30.6047, 35.9339, 15.4807

Sweetspot

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



28.5160, 35.9351, 74.5412



67.3332, 78.3605, 106.1840



26.5853, 52.4287, 11.1455



13.7610, 16.2265, 22.6567



0.0000, 0.0000, 0.0000



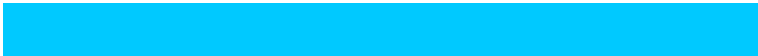
20.3446, 21.4041, 23.3091

Same Dimension

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



28.5160, 35.9351, 74.5412



38.9370, 48.9941, 102.0123



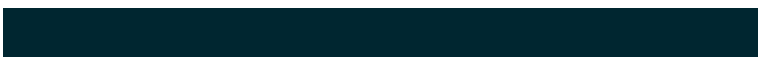
15.1714, 9.2459, 70.0930



13.8573, 15.0538, 17.5630



17.0195, 21.5085, 44.3029



1.2421, 1.6156, 3.0916

Inverse Universe

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



37.8632, 18.6262, 42.1582



51.7828, 25.4771, 57.4477



41.9157, 39.1117, 5.3417



14.1642, 13.8833, 16.6349



22.5308, 11.0793, 25.2590



1.5932, 0.7805, 1.9166

Previews

White Background



This preview shows how the XYZ color 28.5148, 35.9339, 74.5403 looks on a white background.

Color Contrast Check

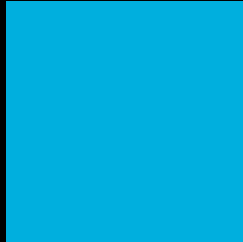
Large Text (above 18pt) WCAG AA × Fail

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 28.5148, 35.9339, 74.5403 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

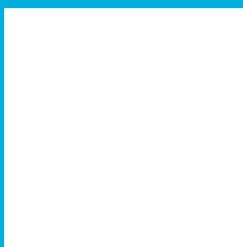
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5148, 35.9339, 74.5403

Background



This preview shows how black text looks on a background with the XYZ color 28.5148, 35.9339, 74.5403.

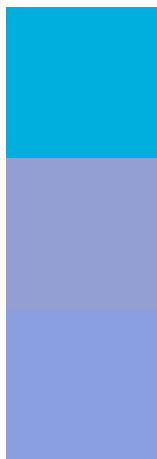


This preview shows how white text looks on a background with the XYZ color 28.5148, 35.9339,

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

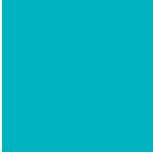
28.5148, 35.9339, 74.5403

Protanopia

36.0636, 35.6525, 65.9536

Deuteranopia

36.6068, 35.6905, 76.9111



Tritanopia

25.6345, 36.0460, 55.4757

Trichromacy



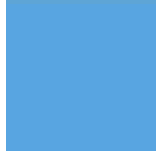
Original Color

28.5148, 35.9339, 74.5403



Protanomaly

30.2088, 34.1450, 68.6168



Deuteranomaly

31.0702, 34.4212, 76.2405



Tritanomaly

26.6999, 36.1526, 62.0708

Monochromacy



Original Color

28.5148, 35.9339, 74.5403



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.0403, 24.6088, 37.8761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5148, 35.9339, 74.5403 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, 175, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 222)  
}
```

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, 175, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.5148, 35.9339, 74.5403 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, 175, 222) }
```


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

```
.border{ border-color:rgb(0, 175, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5148, 35.9339, 74.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 222) }
```

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

```
.background{ background-color: rgb(0, 175,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor