

Converting Colors

XYZ(28.1417, 35.3238, 74.1049)

Have a look what the booklet for
XYZ(28.1417, 35.3238, 74.1049)
contains.

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Color

**XYZ(28.3209, 35.5460,
74.4756)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEDE
RGB	0, 174, 222
RGB Percent	0%, 68%, 87%
CMY	0.9998, 0.3176, 0.1294
CMYK	1.00, 0.22, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.3209, 35.5460, 74.4756
YIQ	127.4460, -119.1120, -21.9600

Conversions

Conversions Part 2

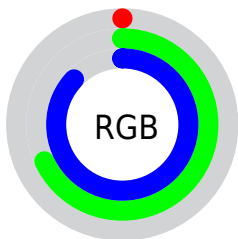
Format	Color
RYB	0, 98, 222
Decimal	44766
CIELab	66.17, -20.23, -34.54
CIELCh	66, 40.029, 239.645
Yxy	35.5460, 0.2047, 0.2569
Android (android.graphics.Color)	4278234846 (0xFF00AEDE)
YUV	127.4460, 46.6151, -111.7701
Hunter-Lab	59.6205, -19.5448, -32.3285

Details

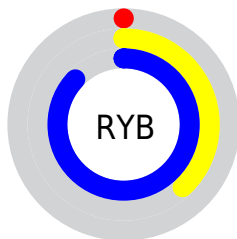
The XYZ color **28.3209, 35.5460, 74.4756** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.1843, 17.6487, 1.7647**, and the grayscale version is **20.2068, 21.2591, 23.1511**.

A 20% lighter version of the original color is **52.1725, 66.8169, 104.7549**, and **13.8124, 16.4648, 39.0092** is the 20% darker color. If you saturate the color by 10%, you get **28.3188, 35.5417, 74.4756**, and if you desaturate by 10%, it is **29.6023, 37.6089, 74.8070**.

Distribution



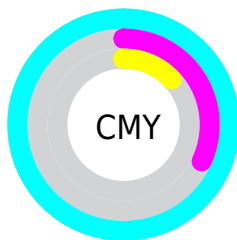
- Red (0%)
- Green (68%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3209, 35.5460, 74.4756 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 28.3209, 35.5460, 74.4756 by changing the saturation by 10% instead.

■ 28.3209, 35.5460,
74.4756

■ 28.3209, 35.5460,
74.4756

286.0495,
326.9718, 495.3204

■ 18.7094, 24.0838,
54.6842

■ 56.4014, 68.3308,
127.3100

■ 11.5632, 15.3958,
38.7521

■ 75.6012, 90.4221,
161.1902

■ 6.5171, 9.0976,
26.2606

■ 98.7277, 116.8252,
200.6037

■ 3.2056, 4.8049,
16.7912

■ 126.1463,
147.9245, 245.9691

■ 1.2634, 2.1333,
9.9253

■ 158.2225,
184.1044, 297.7049

■ 0.1556, 0.6832,
5.2445

195.3215,

■ 0.0000, 0.0000,

225.7494, 356.2298

2.3302

237.8087,
273.2437, 421.9621

■ 0.0000, 0.0000,
0.7481

■ 0.0000, 0.0000,
0.0000

■ 28.3209, 35.5460,
74.4756

■ 28.3209, 35.5460,
74.4756

■ 28.3188, 35.5417,
74.4756

■ 29.6023, 37.6089,
74.8070

■ 31.3020, 39.9366,
75.1667

■ 33.5466, 42.5953,
75.5616

■ 36.4072, 45.6224,
75.9951

■ 39.9442, 49.0494,
76.4701

■ 44.2102, 52.9037,
76.9892

■ 49.2524, 57.2104,
77.5548

■ 55.1142, 61.9922,
78.1688

■ 61.8354, 67.2700,
78.8333

Harmonies

Analogous

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



24.7756, 35.5460, 57.3040



28.3209, 35.5460, 74.4756



33.7145, 35.5460, 81.6511

Triad

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



28.3209, 35.5460, 74.4756



46.5836, 35.5460, 38.9070



28.4303, 35.5460, 16.6197

Complementary

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



28.3209, 35.5460, 74.4756



31.1843, 17.6487, 1.7647

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.



33.8564, 35.5460, 14.2938



28.3209, 35.5460, 74.4756



44.7509, 35.5460, 24.6387

Square

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



28.3209, 35.5460, 74.4756



44.6654, 35.5460, 57.7622



39.9112, 35.5460, 16.7356



24.8334, 35.5460, 24.3793

Rectangle

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



28.3209, 35.5460, 74.4756



37.7847, 35.5460, 78.5512



39.9112, 35.5460, 16.7356



30.0787, 35.5460, 15.2991

Sweetspot

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



28.3221, 35.5472, 74.4765



67.2323, 78.1588, 106.1504



26.5854, 52.4287, 11.1460



13.7367, 16.1779, 22.6486



0.0000, 0.0000, 0.0000



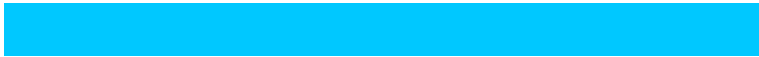
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3221, 35.5472, 74.4765



38.6698, 48.4595, 101.9233



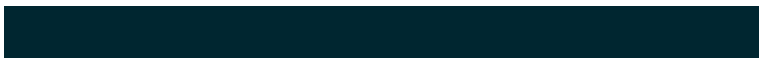
15.1717, 9.2464, 70.0930



13.8519, 15.0429, 17.5612



16.9053, 21.2801, 44.2648



1.2350, 1.6016, 3.0893

Inverse Universe

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



37.7653, 18.5871, 41.6426



51.6479, 25.4232, 56.7373



41.9161, 39.1123, 5.3420



14.1615, 13.8822, 16.6204



22.4732, 11.0563, 24.9553



1.5897, 0.7791, 1.8979

Previews

White Background



This preview shows how the XYZ color 28.3209, 35.5460, 74.4756 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 28.3209, 35.5460, 74.4756 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

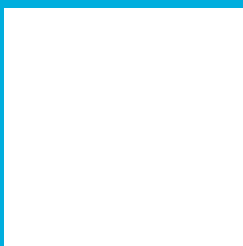
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3209, 35.5460, 74.4756

Background



This preview shows how black text looks on a background with the XYZ color 28.3209, 35.5460, 74.4756.

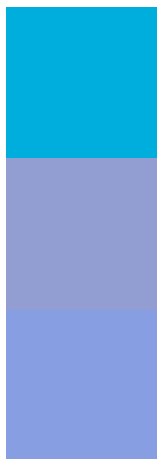


This preview shows how white text looks on a background with the XYZ color 28.3209, 35.5460,

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

28.3209, 35.5460, 74.4756

Protanopia

35.7138, 35.2179, 65.8882

Deuteranopia

36.1077, 35.1789, 76.8386

Trichromacy



Original Color

28.3209, 35.5460, 74.4756

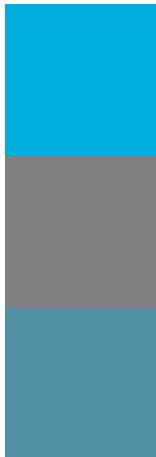
Protanomaly

29.9273, 33.7331, 68.5521

Deuteranomaly

30.7965, 34.0134, 76.1763

Monochromacy



Original Color

28.3209, 35.5460, 74.4756

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8882, 24.3045, 37.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3209, 35.5460, 74.4756 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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, 174, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.3209, 35.5460, 74.4756 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, 222) }
```

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

```
.border{ border-color:rgb(0, 174, 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, 174, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
222) }
```


Background

The CSS property to change the background color of an element to XYZ 28.3209, 35.5460, 74.4756 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, 222) }
```

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

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

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