

Converting Colors

XYZ(27.8679, 33.4894, 77.8722)

Have a look what the booklet for
XYZ(27.8679, 33.4894, 77.8722)
contains.

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Color

**XYZ(27.8678, 33.5513,
77.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8E3
RGB	0, 168, 227
RGB Percent	0%, 66%, 89%
CMY	0.9997, 0.3412, 0.1098
CMYK	1.00, 0.26, 0.00, 0.11
HSL	196°, 100%, 45%
HSV	196°, 100%, 89%
XYZ	27.8678, 33.5513, 77.6803
YIQ	124.4940, -119.0670, -17.2670

Conversions

Conversions Part 2

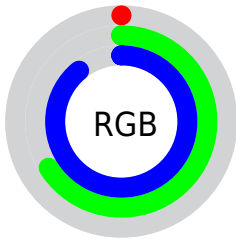
Format	Color
RYB	0, 97, 227
Decimal	43235
CIELab	64.60, -15.27, -39.74
CIELCh	65, 42.567, 248.983
Yxy	33.5513, 0.2003, 0.2412
Android (android.graphics.Color)	4278233315 (0xFF00A8E3)
YUV	124.4940, 50.5355, -109.1812
Hunter-Lab	57.9235, -15.4872, -38.9665

Details

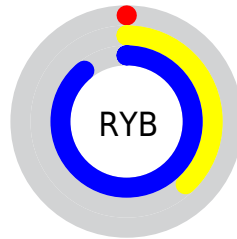
The XYZ color **27.8678, 33.5513, 77.6803** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.2464, 19.4656, 2.0068**, and the grayscale version is **19.1947, 20.1943, 21.9916**.

A 20% lighter version of the original color is **50.3815, 63.0595, 104.1241**, and **13.5961, 15.4311, 40.7900** is the 20% darker color. If you saturate the color by 10%, you get **27.8652, 33.5459, 77.6801**, and if you desaturate by 10%, it is **29.3306, 35.9602, 78.0689**.

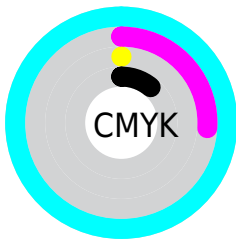
Distribution



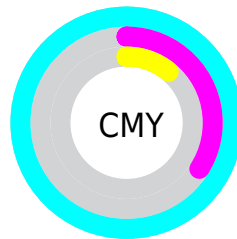
- Red (0%)
- Green (66%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8678, 33.5513, 77.6803 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 27.8678, 33.5513, 77.6803 by changing the saturation by 10% instead.

■ 27.8678, 33.5513,
77.6803

■ 27.8678, 33.5513,
77.6803

283.9262,
318.1267, 506.5795

■ 18.3660, 22.5491,
57.2965

■ 55.6834, 65.2353,
131.8811

■ 11.3143, 14.2609,
40.8324

■ 74.7279, 86.6859,
166.5352

■ 6.3475, 8.3024,
27.8694

■ 97.6841, 112.3881,
206.7832

■ 3.1002, 4.2890,
17.9891

■ 124.9171,
142.7262, 253.0435

■ 1.2070, 1.8365,
10.7728

■ 156.7926,
178.0848, 305.7348

■ 0.1119, 0.5098,
5.8020

193.6756,

■ 0.0000, 0.0000,

218.8481, 365.2755

2.6582

235.9317,
265.4006, 432.0842

■ 0.0000, 0.0000,
0.9223

■ 0.0000, 0.0000,
0.0000

■ 27.8678, 33.5513,
77.6803

■ 27.8678, 33.5513,
77.6803

■ 27.8652, 33.5459,
77.6801

■ 29.3306, 35.9602,
78.0689

■ 31.2499, 38.6784,
78.4924

■ 33.7578, 41.7752,
78.9579

■ 36.9300, 45.2907,
79.4693

■ 40.8303, 49.2587,
80.0296

■ 45.5148, 53.7089,
80.6417

■ 51.0336, 58.6680,
81.3080

■ 57.4326, 64.1605,
82.0309

■ 64.7543, 70.2092,
82.8126

Harmonies

Analogous

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



23.6185, 33.5513, 61.9798



27.8678, 33.5513, 77.6803



33.7549, 33.5513, 80.7313

Triad

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



27.8678, 33.5513, 77.6803



44.9245, 33.5513, 31.5368



25.0696, 33.5513, 16.1575

Complementary

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



27.8678, 33.5513, 77.6803



33.2464, 19.4656, 2.0068

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.



30.0941, 33.5513, 12.3945



27.8678, 33.5513, 77.6803



41.8960, 33.5513, 19.2218

Square

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



27.8678, 33.5513, 77.6803



44.1300, 33.5513, 49.9417



36.2806, 33.5513, 13.3018



22.1517, 33.5513, 25.7666

Rectangle

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



27.8678, 33.5513, 77.6803



37.9129, 33.5513, 74.4666



36.2806, 33.5513, 13.3018



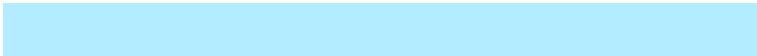
26.5405, 33.5513, 14.3323

Sweetspot

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



27.8690, 33.5524, 77.6812



66.2653, 76.2248, 105.8280



28.2036, 55.2325, 13.0190



13.5040, 15.7125, 22.5710



0.0000, 0.0000, 0.0000



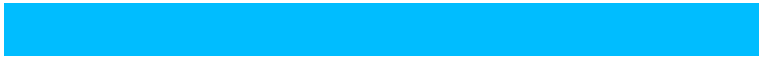
20.3446, 21.4041, 23.3091

Same Dimension

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



27.8690, 33.5524, 77.6812



36.1842, 43.4884, 101.0947



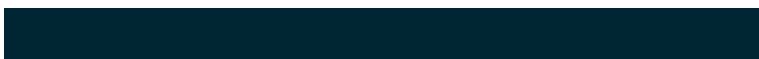
15.3192, 8.4528, 73.4979



14.4737, 15.6688, 18.4059



16.3501, 19.7624, 45.3359



1.2824, 1.6087, 3.3749

Inverse Universe

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



38.7476, 19.1597, 38.7026



50.3933, 24.9213, 50.1307



46.1040, 45.1807, 6.2926



14.8267, 14.5479, 17.2878



22.6463, 11.1927, 22.8302



1.7109, 0.8421, 1.8843

Previews

White Background



This preview shows how the XYZ color 27.8678, 33.5513, 77.6803 looks on a white background.

Color Contrast Check

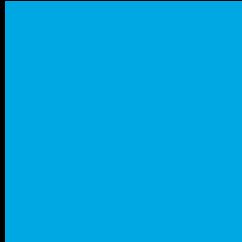
Large Text (above 18pt) WCAG AA × Fail

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 27.8678, 33.5513, 77.6803 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

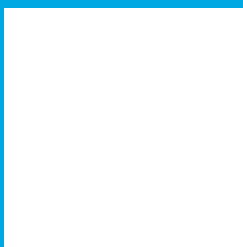
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8678, 33.5513, 77.6803

Background



This preview shows how black text looks on a background with the XYZ color 27.8678, 33.5513, 77.6803.



This preview shows how white text looks on a background with the XYZ color 27.8678, 33.5513,

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

27.8678, 33.5513, 77.6803

Protanopia

34.1379, 33.3359, 68.9252

Deuteranopia

34.1727, 33.3668, 79.5023



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

27.8678, 33.5513, 77.6803



Protanomaly

29.1148, 31.9370, 71.6478



Deuteranomaly

29.8555, 32.4185, 78.8126



Tritanomaly

25.1055, 33.3429, 60.3710

Monochromacy



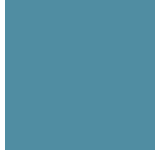
Original Color

27.8678, 33.5513, 77.6803



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.3547, 23.3639, 37.6720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8678, 33.5513, 77.6803 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, 168, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 227) }
```

Border

The CSS property to change the border of an element to XYZ 27.8678, 33.5513, 77.6803 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, 168, 227) }
```


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

```
.border{ border-color:rgb(0, 168, 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, 168, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 168, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 168, 227); box-shadow:4px 4px 4px 4px rgb(0, 168, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8678, 33.5513, 77.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 227) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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