

Converting Colors

XYZ(25.4286, 32.8895, 87.7678)

Have a look what the booklet for
XYZ(25.4286, 32.8895, 87.7678)
contains.

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Color

**XYZ(30.2911, 35.4171,
87.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABF0
RGB	0, 171, 240
RGB Percent	0%, 67%, 94%
CMY	0.9997, 0.3294, 0.0588
CMYK	1.00, 0.29, 0.00, 0.06
HSL	197°, 100%, 47%
HSV	197°, 100%, 94%
XYZ	30.2911, 35.4171, 87.6777
YIQ	127.7370, -124.0650, -14.7930

Conversions

Conversions Part 2

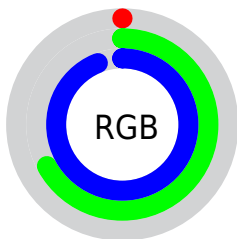
Format	Color
RYB	0, 100, 240
Decimal	44016
CIELab	66.07, -12.23, -44.56
CIELCh	66, 46.212, 254.655
Yxy	35.4171, 0.1975, 0.2309
Android (android.graphics.Color)	4278234096 (0xFF00ABF0)
YUV	127.7370, 55.3457, -112.0253
Hunter-Lab	59.5123, -13.2919, -45.6917

Details

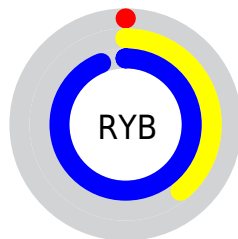
The XYZ color **30.2911, 35.4171, 87.6777** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **38.0681, 22.7901, 2.3945**, and the grayscale version is **20.2797, 21.3358, 23.2347**.

A 20% lighter version of the original color is **51.5530, 64.8639, 104.4106**, and **15.2486, 16.6543, 47.7583** is the 20% darker color. If you saturate the color by 10%, you get **30.2879, 35.4104, 87.6773**, and if you desaturate by 10%, it is **32.0079, 38.2888, 88.1423**.

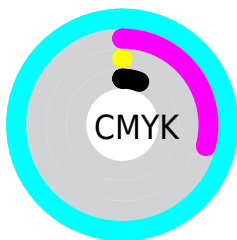
Distribution



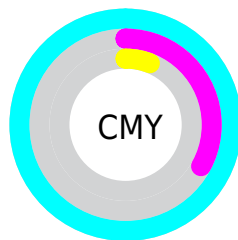
- Red (0%)
- Green (67%)
- Blue (94%)



- Red (0%)
- Yellow (39%)
- Blue (94%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (33%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2911, 35.4171, 87.6777 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 30.2911, 35.4171, 87.6777 by changing the saturation by 10% instead.

■ 30.2911, 35.4171,
87.6777

■ 30.2911, 35.4171,
87.6777

295.1445,
326.4056, 540.8211

■ 20.2088, 23.9843,
65.4934

■ 59.5057, 68.1314,
146.0156

■ 12.6561, 15.3220,
47.4074

■ 79.3687, 90.1818,
183.0062

■ 7.2675, 9.0457,
33.0012

■ 103.2227,
116.5401, 225.7692

■ 3.6778, 4.7710,
21.8562

■ 131.4330,
147.5909, 274.7234

■ 1.5215, 2.1135,
13.5540

■ 164.3650,
183.7184, 330.2871

■ 0.3404, 0.6722,
7.6759

202.3840,

■ 0.0000, 0.0000,

225.3071, 392.8789

3.8035

245.8554,
272.7413, 462.9174

■ 0.0000, 0.0000,
1.5182

■ 0.0000, 0.0000,
0.2314

■ 30.2911, 35.4171,
87.6777

■ 30.2911, 35.4171,
87.6777

■ 30.2879, 35.4104,
87.6773

■ 32.0079, 38.2888,
88.1423

■ 34.2588, 41.5380,
88.6508

■ 37.1914, 45.2426,
89.2113

■ 40.8930, 49.4491,
89.8281

■ 45.4374, 54.1969,
90.5050

■ 50.8888, 59.5206,
91.2453

■ 57.3052, 65.4512,
92.0518

■ 64.7394, 72.0175,
92.9274

■ 73.2401, 79.2458,
93.8746

Harmonies

Analogous

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



25.1235, 35.4171, 71.6793



30.2911, 35.4171, 87.6777



37.1121, 35.4171, 87.8814

Triad

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



30.2911, 35.4171, 87.6777



48.1071, 35.4171, 29.7724



25.2160, 35.4171, 17.4472

Complementary

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



30.2911, 35.4171, 87.6777



38.0681, 22.7901, 2.3945

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.



30.4343, 35.4171, 12.3431



30.2911, 35.4171, 87.6777



43.9464, 35.4171, 17.6374

Square

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



30.2911, 35.4171, 87.6777



48.0549, 35.4171, 49.4504



37.2760, 35.4171, 12.3983



22.4762, 35.4171, 29.4042

Rectangle

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



30.2911, 35.4171, 87.6777



41.7356, 35.4171, 78.7391



37.2760, 35.4171, 12.3983



26.7047, 35.4171, 15.0856

Sweetspot

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



30.2924, 35.4183, 87.6786



65.6641, 75.0223, 105.6276



32.2061, 62.7391, 15.8891



13.3597, 15.4238, 22.5229



0.0000, 0.0000, 0.0000



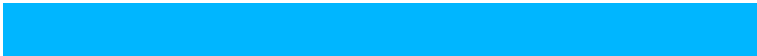
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2924, 35.4183, 87.6786



34.7100, 40.5400, 100.6033



16.9596, 8.7525, 83.2343



15.8410, 17.1161, 20.1904



16.6994, 19.6231, 48.0354



1.4739, 1.8019, 4.0243

Inverse Universe

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



43.2871, 21.4672, 40.3911



49.6492, 24.6237, 46.2123



53.9224, 54.4986, 7.6792



16.2492, 15.9494, 18.8684



23.7547, 11.7743, 22.4227



2.0189, 0.9966, 2.0905

Previews

White Background



This preview shows how the XYZ color 30.2911, 35.4171, 87.6777 looks on a white background.

Color Contrast Check

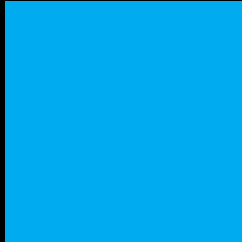
Large Text (above 18pt) WCAG AA × Fail

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 30.2911, 35.4171, 87.6777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

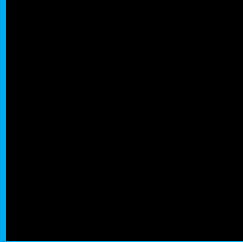
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2911, 35.4171, 87.6777

Background



This preview shows how black text looks on a background with the XYZ color 30.2911, 35.4171, 87.6777.



This preview shows how white text looks on a background with the XYZ color 30.2911, 35.4171,

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

30.2911, 35.4171, 87.6777

Protanopia

36.5164, 35.0894, 78.9771

Deuteranopia

36.1835, 35.1893, 89.6792



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

30.2911, 35.4171, 87.6777



Protanomaly

31.5588, 33.7501, 81.9419



Deuteranomaly

32.1047, 34.1417, 88.9023



Tritanomaly

26.8386, 35.2634, 65.7136

Monochromacy



Original Color

30.2911, 35.4171, 87.6777



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.5280, 24.5604, 41.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2911, 35.4171, 87.6777 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, 171, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 240)  
}
```

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, 171, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 240) }
```

Border

The CSS property to change the border of an element to XYZ 30.2911, 35.4171, 87.6777 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, 171, 240) }
```


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

```
.border{ border-color:rgb(0, 171, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2911, 35.4171, 87.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 240) }
```

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

```
.background{ background-color: rgb(0, 171,  
240) }
```

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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