

Converting Colors

XYZ(18.9864, 29.2495, 90.5792)

Have a look what the booklet for
XYZ(18.9864, 29.2495, 90.5792)
contains.

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Color

**XYZ(30.7039, 35.2811,
90.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAF4
RGB	0, 170, 244
RGB Percent	0%, 67%, 96%
CMY	0.9997, 0.3333, 0.0431
CMYK	1.00, 0.30, 0.00, 0.04
HSL	198°, 100%, 48%
HSV	198°, 100%, 96%
XYZ	30.7039, 35.2811, 90.7796
YIQ	127.6060, -125.0740, -13.0260

Conversions

Conversions Part 2

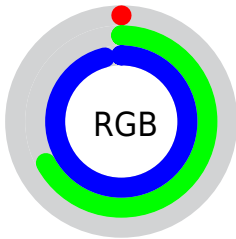
Format	Color
RYB	0, 100, 244
Decimal	43764
CIELab	65.97, -10.23, -46.92
CIELCh	66, 48.018, 257.698
Yxy	35.2811, 0.1959, 0.2251
Android (android.graphics.Color)	4278233844 (0xFF00AAF4)
YUV	127.6060, 57.3822, -111.9105
Hunter-Lab	59.3979, -11.6763, -49.0362

Details

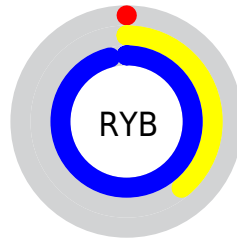
The XYZ color **30.7039, 35.2811, 90.7796** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **39.7626, 24.1408, 2.5660**, and the grayscale version is **20.2286, 21.2821, 23.1762**.

A 20% lighter version of the original color is **51.4056, 64.3854, 104.3260**, and **15.4481, 16.5447, 49.3930** is the 20% darker color. If you saturate the color by 10%, you get **30.7001, 35.2734, 90.7791**, and if you desaturate by 10%, it is **32.5194, 38.3358, 91.2743**.

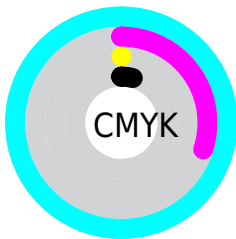
Distribution



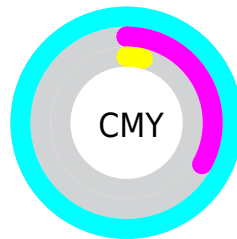
- Red (0%)
- Green (67%)
- Blue (96%)



- Red (0%)
- Yellow (39%)
- Blue (96%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7039, 35.2811, 90.7796 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 30.7039, 35.2811, 90.7796 by changing the saturation by 10% instead.

■ 30.7039, 35.2811,
90.7796

■ 30.7039, 35.2811,
90.7796

297.0232,
325.8074, 551.1990

■ 20.5242, 23.8795,
68.0501

■ 60.1526, 67.9210,
150.3658

■ 12.8871, 15.2443,
49.4715

■ 80.1523, 89.9281,
188.0595

■ 7.4273, 8.9910,
34.6254

■ 104.1561,
116.2391, 231.5784

■ 3.7795, 4.7353,
23.0932

■ 132.5293,
147.2385, 281.3410

■ 1.5781, 2.0928,
14.4564

■ 165.6372,
183.3106, 337.7658

■ 0.3781, 0.6606,
8.2964

203.8453,

■ 0.0000, 0.0000,

224.8399, 401.2714

4.1947

247.5188,
272.2107, 472.2763

■ 0.0000, 0.0000,
1.7328

■ 0.0000, 0.0000,
0.3830

■ 30.7039, 35.2811,
90.7796

■ 30.7039, 35.2811,
90.7796

■ 30.7001, 35.2734,
90.7791

■ 32.5194, 38.3358,
91.2743

■ 34.8982, 41.7983,
91.8172

■ 37.9931, 45.7497,
92.4168

■ 41.8953, 50.2386,
93.0776

■ 46.6817, 55.3064,
93.8035

■ 52.4195, 60.9896,
94.5981

■ 59.1692, 67.3209,
95.4644

■ 66.9859, 74.3303,
96.4053

■ 75.9207, 82.0459,
97.4237

Harmonies

Analogous

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



25.1474, 35.2811, 75.2636



30.7039, 35.2811, 90.7796



37.8641, 35.2811, 89.0977

Triad

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



30.7039, 35.2811, 90.7796



48.3186, 35.2811, 27.6987



24.4037, 35.2811, 17.6278

Complementary

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



30.7039, 35.2811, 90.7796



39.7626, 24.1408, 2.5660

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.



29.5466, 35.2811, 11.8831



30.7039, 35.2811, 90.7796



43.6034, 35.2811, 16.1224

Square

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



30.7039, 35.2811, 90.7796



48.7447, 35.2811, 47.3771



36.5321, 35.2811, 11.4521



21.8703, 35.2811, 30.6612

Rectangle

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



30.7039, 35.2811, 90.7796



42.6085, 35.2811, 78.4748



36.5321, 35.2811, 11.4521



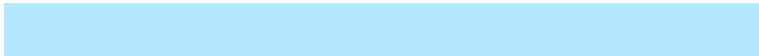
25.8485, 35.2811, 15.0150

Sweetspot

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



30.7052, 35.2822, 90.7805



65.3233, 74.3407, 105.5140



33.5629, 65.1868, 17.1606



13.2780, 15.2604, 22.4957



0.0000, 0.0000, 0.0000



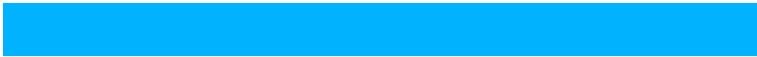
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7052, 35.2822, 90.7805



33.8992, 38.9183, 100.3331



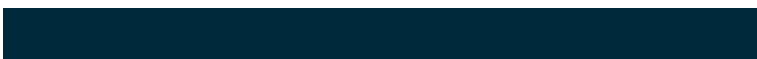
17.4226, 8.7171, 86.3530



16.5476, 17.8596, 21.1177



16.8188, 19.4314, 49.4022



1.5684, 1.8882, 4.3720

Inverse Universe

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



44.5652, 22.1372, 39.9551



49.2399, 24.4600, 44.0570



56.8724, 58.3603, 8.2693



16.9870, 16.6777, 19.6781



24.2939, 12.0610, 22.0536



2.1807, 1.0782, 2.1780

Previews

White Background



This preview shows how the XYZ color 30.7039, 35.2811, 90.7796 looks on a white background.

Color Contrast Check

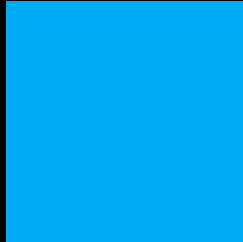
Large Text (above 18pt) WCAG AA × Fail

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 30.7039, 35.2811, 90.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

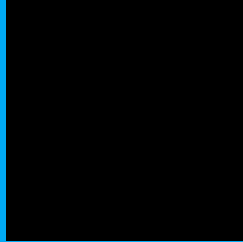
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7039, 35.2811, 90.7796

Background



This preview shows how black text looks on a background with the XYZ color 30.7039, 35.2811, 90.7796.

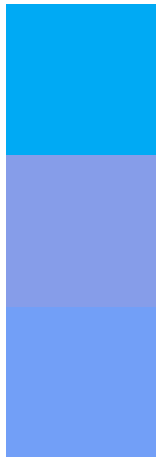


This preview shows how white text looks on a background with the XYZ color 30.7039, 35.2811,

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

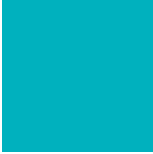
30.7039, 35.2811, 90.7796

Protanopia

36.5965, 35.0655, 81.9303

Deuteranopia

36.1261, 35.0891, 92.8645



Tritanopia

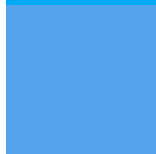
25.0164, 35.1620, 54.1836

Trichromacy



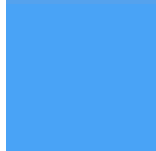
Original Color

30.7039, 35.2811, 90.7796



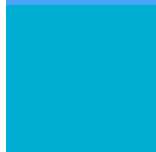
Protanomaly

31.9527, 33.8864, 84.9774



Deuteranomaly

32.4794, 34.2647, 92.0907



Tritanomaly

26.7689, 34.9252, 66.3031

Monochromacy



Original Color

30.7039, 35.2811, 90.7796



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.4715, 24.2965, 41.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7039, 35.2811, 90.7796 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 244) }
```

Border

The CSS property to change the border of an element to XYZ 30.7039, 35.2811, 90.7796 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, 244) }
```


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

```
.border{ border-color:rgb(0, 170, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7039, 35.2811, 90.7796 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, 244) }
```

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

```
.background{ background-color: rgb(0, 170,  
244) }
```

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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