

Converting Colors

XYZ(27.5022, 33.7187, 88.0973)

Have a look what the booklet for
XYZ(27.5022, 33.7187, 88.0973)
contains.

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Color

**XYZ(30.2519, 35.1003,
88.3997)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAF1
RGB	0, 170, 241
RGB Percent	0%, 67%, 95%
CMY	0.9997, 0.3333, 0.0549
CMYK	1.00, 0.29, 0.00, 0.05
HSL	198°, 100%, 47%
HSV	198°, 100%, 95%
XYZ	30.2519, 35.1003, 88.3997
YIQ	127.2640, -124.1110, -13.9590

Conversions

Conversions Part 2

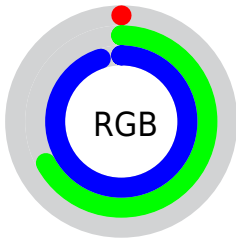
Format	Color
RYB	0, 100, 241
Decimal	43761
CIELab	65.83, -11.32, -45.50
CIELCh	66, 46.884, 256.030
Yxy	35.1003, 0.1968, 0.2283
Android (android.graphics.Color)	4278233841 (0xFF00AAF1)
YUV	127.2640, 56.0718, -111.6105
Hunter-Lab	59.2455, -12.5341, -46.9942

Details

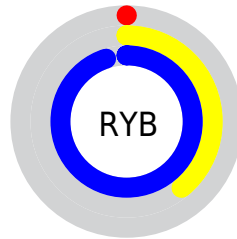
The XYZ color **30.2519, 35.1003, 88.3997** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **38.5338, 23.2160, 2.4521**, and the grayscale version is **20.1146, 21.1622, 23.0456**.

A 20% lighter version of the original color is **51.2819, 64.3216, 104.3202**, and **15.2354, 16.4596, 48.2730** is the 20% darker color. If you saturate the color by 10%, you get **30.2487, 35.0936, 88.3993**, and if you desaturate by 10%, it is **32.0006, 38.0324, 88.8742**.

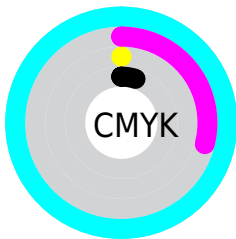
Distribution



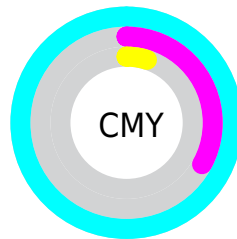
- Red (0%)
- Green (67%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2519, 35.1003, 88.3997 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 30.2519, 35.1003, 88.3997 by changing the saturation by 10% instead.

■ 30.2519, 35.1003,
88.3997

■ 30.2519, 35.1003,
88.3997

294.9657,
325.0108, 543.2465

■ 20.1789, 23.7401,
66.0879

■ 59.4442, 67.6411,
147.0295

■ 12.6342, 15.1410,
47.8868

■ 79.2942, 89.5906,
184.1847

■ 7.2524, 8.9184,
33.3779

■ 103.1339,
115.8386, 227.1246

■ 3.6682, 4.6880,
22.1426

■ 131.3287,
146.7696, 276.2680

■ 1.5162, 2.0654,
13.7624

■ 164.2439,
182.7679, 332.0334

■ 0.3368, 0.6450,
7.8188

202.2449,

■ 0.0000, 0.0000,

224.2179, 394.8392

3.8931

245.6970,
271.5041, 465.1041

■ 0.0000, 0.0000,
1.5669

■ 0.0000, 0.0000,
0.2670

■ 30.2519, 35.1003,
88.3997

■ 30.2519, 35.1003,
88.3997

■ 30.2487, 35.0936,
88.3993

■ 32.0006, 38.0324,
88.8742

■ 34.2921, 41.3523,
89.3943

■ 37.2752, 45.1386,
89.9679

■ 41.0383, 49.4387,
90.5995

■ 45.6558, 54.2923,
91.2930

■ 51.1930, 59.7346,
92.0516

■ 57.7082, 65.7972,
92.8784

■ 65.2550, 72.5091,
93.7762

■ 73.8828, 79.8972,
94.7475

Harmonies

Analogous

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



24.9511, 35.1003, 72.7222



30.2519, 35.1003, 88.3997



37.1721, 35.1003, 87.7811

Triad

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



30.2519, 35.1003, 88.3997



47.8520, 35.1003, 28.6327



24.6735, 35.1003, 17.3986

Complementary

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



30.2519, 35.1003, 88.3997



38.5338, 23.2160, 2.4521

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.



29.8212, 35.1003, 12.0488



30.2519, 35.1003, 88.3997



43.4774, 35.1003, 16.8317

Square

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



30.2519, 35.1003, 88.3997



48.0096, 35.1003, 48.1745



36.6778, 35.1003, 11.8854



22.0449, 35.1003, 29.7380

Rectangle

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



30.2519, 35.1003, 88.3997



41.8153, 35.1003, 78.0551



36.6778, 35.1003, 11.8854



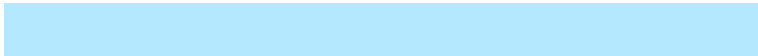
26.1321, 35.1003, 14.9439

Sweetspot

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



30.2532, 35.1014, 88.4006



65.5104, 74.7149, 105.5764



32.5100, 63.3330, 16.0331



13.3228, 15.3501, 22.5106



0.0000, 0.0000, 0.0000



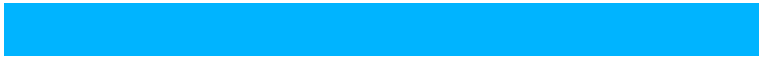
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2532, 35.1014, 88.4006



34.3421, 39.8043, 100.4807



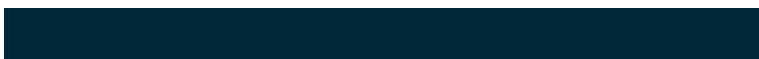
17.1182, 8.8315, 84.0223



15.8311, 17.0964, 20.1871



16.5256, 19.2755, 47.9774



1.4606, 1.7751, 4.0199

Inverse Universe

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



43.5325, 21.6047, 39.9068



49.4635, 24.5494, 45.2345



54.4306, 55.0097, 7.7511



16.2442, 15.9474, 18.8422



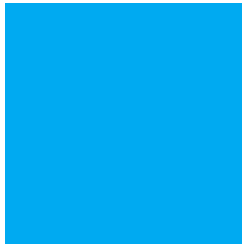
23.6670, 11.7392, 21.9607



2.0122, 0.9939, 2.0550

Previews

White Background



This preview shows how the XYZ color 30.2519, 35.1003, 88.3997 looks on a white background.

Color Contrast Check

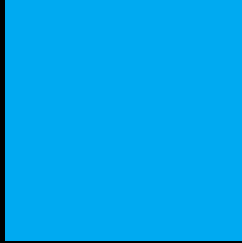
Large Text (above 18pt) WCAG AA × Fail

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 30.2519, 35.1003, 88.3997 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

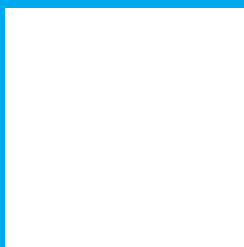
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2519, 35.1003, 88.3997

Background



This preview shows how black text looks on a background with the XYZ color 30.2519, 35.1003, 88.3997.



This preview shows how white text looks on a background with the XYZ color 30.2519, 35.1003,

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

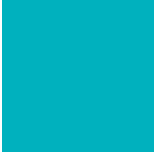
30.2519, 35.1003, 88.3997

Protanopia

36.1631, 34.6410, 79.6433

Deuteranopia

36.0634, 35.1098, 90.4641



Tritanopia

25.0164, 35.1620, 54.1836

Trichromacy



Original Color

30.2519, 35.1003, 88.3997

Protanomaly

31.4339, 33.4087, 82.6337

Deuteranomaly

32.0989, 34.1213, 89.6883

Tritanomaly

26.6447, 34.8756, 65.6489

Monochromacy



Original Color

30.2519, 35.1003, 88.3997

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2837, 24.2214, 40.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2519, 35.1003, 88.3997 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 241) }
```

Border

The CSS property to change the border of an element to XYZ 30.2519, 35.1003, 88.3997 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, 241) }
```


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

```
.border{ border-color:rgb(0, 170, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2519, 35.1003, 88.3997 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, 241) }
```

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

```
.background{ background-color: rgb(0, 170,  
241) }
```

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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