

Converting Colors

XYZ(27.7270, 33.4555, 89.6853)

Have a look what the booklet for
XYZ(27.7270, 33.4555, 89.6853)
contains.

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Color

**XYZ(30.3656, 34.8470,
89.9197)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9F3
RGB	0, 169, 243
RGB Percent	0%, 66%, 95%
CMY	0.9997, 0.3372, 0.0471
CMYK	1.00, 0.30, 0.00, 0.05
HSL	198°, 100%, 48%
HSV	198°, 100%, 95%
XYZ	30.3656, 34.8470, 89.9197
YIQ	126.9050, -124.4780, -12.8140

Conversions

Conversions Part 2

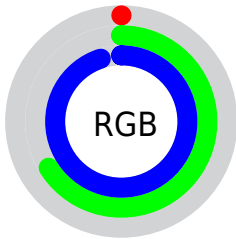
Format	Color
RYB	0, 100, 243
Decimal	43507
CIELab	65.63, -10.04, -46.90
CIELCh	66, 47.964, 257.916
Yxy	34.8470, 0.1957, 0.2246
Android (android.graphics.Color)	4278233587 (0xFF00A9F3)
YUV	126.9050, 57.2348, -111.2957
Hunter-Lab	59.0313, -11.4848, -48.9917

Details

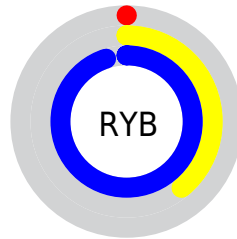
The XYZ color **30.3656, 34.8470, 89.9197** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **39.4159, 23.9612, 2.5494**, and the grayscale version is **19.9879, 21.0289, 22.9004**.

A 20% lighter version of the original color is **51.1361, 63.8463, 104.2362**, and **15.2242, 16.2678, 48.7920** is the 20% darker color. If you saturate the color by 10%, you get **30.3624, 34.8403, 89.9193**, and if you desaturate by 10%, it is **32.1678, 37.8790, 90.4107**.

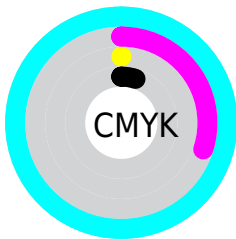
Distribution



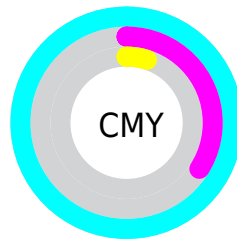
- Red (0%)
- Green (66%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3656, 34.8470, 89.9197 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 30.3656, 34.8470, 89.9197 by changing the saturation by 10% instead.

■ 30.3656, 34.8470,
89.9197

■ 30.3656, 34.8470,
89.9197

295.4842,
323.8925, 548.3330

■ 20.2657, 23.5450,
67.3407

■ 59.6225, 67.2487,
149.1614

■ 12.6977, 14.9965,
48.8982

■ 79.5103, 89.1172,
186.6612

■ 7.2963, 8.8169,
34.1737

■ 103.3914,
115.2767, 229.9716

■ 3.6960, 4.6220,
22.7486

■ 131.6312,
146.1115, 279.5113

■ 1.5317, 2.0272,
14.2045

■ 164.5950,
182.0061, 335.6987

■ 0.3472, 0.6232,
8.1226

202.6482,

■ 0.0000, 0.0000,

223.3449, 398.9525

4.0846

246.1562,
270.5122, 469.6910

■ 0.0000, 0.0000,
1.6719

■ 0.0000, 0.0000,
0.3414

■ 30.3656, 34.8470,
89.9197

■ 30.3656, 34.8470,
89.9197

■ 30.3624, 34.8403,
89.9193

■ 32.1678, 37.8790,
90.4107

■ 34.5285, 41.3161,
90.9497

■ 37.5990, 45.2384,
91.5450

■ 41.4696, 49.6945,
92.2011

■ 46.2166, 54.7252,
92.9219

■ 51.9064, 60.3665,
93.7109

■ 58.5990, 66.6511,
94.5712

■ 66.3490, 73.6086,
95.5057

■ 75.2069, 81.2667,
96.5170

Harmonies

Analogous

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



24.8471, 34.8470, 74.6280



30.3656, 34.8470, 89.9197



37.4650, 34.8470, 88.1161

Triad

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



30.3656, 34.8470, 89.9197



47.7532, 34.8470, 27.2165



24.0511, 34.8470, 17.4297

Complementary

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



30.3656, 34.8470, 89.9197



39.4159, 23.9612, 2.5494

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.



29.1266, 34.8470, 11.7070



30.3656, 34.8470, 89.9197



43.0538, 34.8470, 15.8203

Square

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



30.3656, 34.8470, 89.9197



48.2099, 34.8470, 46.6565



36.0383, 34.8470, 11.2467



21.5632, 34.8470, 30.3872

Rectangle

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



30.3656, 34.8470, 89.9197



42.1612, 34.8470, 77.5112



36.0383, 34.8470, 11.2467



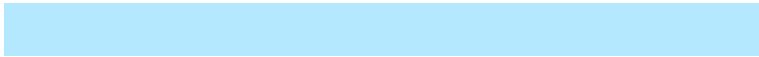
25.4753, 34.8470, 14.8296

Sweetspot

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



30.3669, 34.8481, 89.9206



65.2966, 74.2874, 105.5052



33.2525, 64.5825, 17.0071



13.2716, 15.2477, 22.4936



0.0000, 0.0000, 0.0000



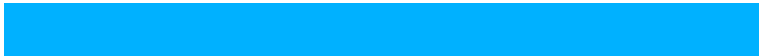
20.3446, 21.4041, 23.3091

Same Dimension

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



30.3669, 34.8481, 89.9206



33.8366, 38.7932, 100.3122



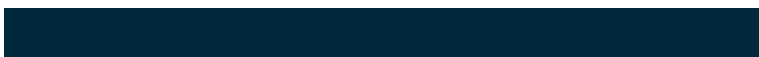
17.2625, 8.6392, 85.5524



16.5458, 17.8560, 21.1171



16.7883, 19.3703, 49.3920



1.5659, 1.8832, 4.3712

Inverse Universe

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



44.1248, 21.9209, 39.4425



49.2083, 24.4473, 43.8907



56.3469, 57.8230, 8.1931



16.9861, 16.6773, 19.6733



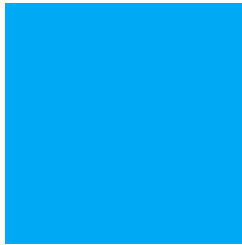
24.2785, 12.0548, 21.9725



2.1794, 1.0777, 2.1714

Previews

White Background



This preview shows how the XYZ color 30.3656, 34.8470, 89.9197 looks on a white background.

Color Contrast Check

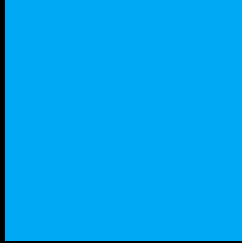
Large Text (above 18pt) WCAG AA × Fail

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 30.3656, 34.8470, 89.9197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

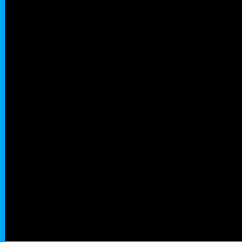
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

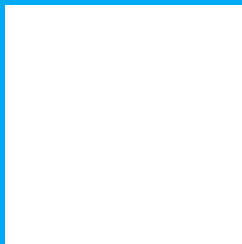
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3656, 34.8470, 89.9197

Background



This preview shows how black text looks on a background with the XYZ color 30.3656, 34.8470, 89.9197.



This preview shows how white text looks on a background with the XYZ color 30.3656, 34.8470,

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

30.3656, 34.8470, 89.9197

Protanopia

36.1268, 34.5897, 81.1163

Deuteranopia

35.6715, 34.6183, 91.9907



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

30.3656, 34.8470, 89.9197

Protanomaly

31.6315, 33.4772, 84.1515

Deuteranomaly

32.0742, 33.8110, 91.2219

Tritanomaly

26.4522, 34.4906, 65.5848

Monochromacy



Original Color

30.3656, 34.8470, 89.9197

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2278, 23.9599, 41.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3656, 34.8470, 89.9197 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, 169, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 243)  
}
```

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, 169, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 243) }
```

Border

The CSS property to change the border of an element to XYZ 30.3656, 34.8470, 89.9197 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, 169, 243) }
```


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

```
.border{ border-color:rgb(0, 169, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3656, 34.8470, 89.9197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 243) }
```

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

```
.background{ background-color: rgb(0, 169,  
243) }
```

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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