

Converting Colors

XYZ(25.5935, 33.2582, 88.8978)

Have a look what the booklet for
XYZ(25.5935, 33.2582, 88.8978)
contains.

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Color

**XYZ(30.7795, 35.9159,
89.3146)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACF2
RGB	0, 172, 242
RGB Percent	0%, 67%, 95%
CMY	0.9998, 0.3255, 0.0510
CMYK	1.00, 0.29, 0.00, 0.05
HSL	197°, 100%, 47%
HSV	197°, 100%, 95%
XYZ	30.7795, 35.9159, 89.3146
YIQ	128.5520, -124.9820, -14.6940

Conversions

Conversions Part 2

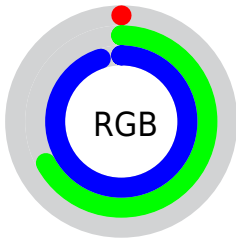
Format	Color
R _{YB}	0, 101, 242
Decimal	44274
CIE Lab	66.46, -12.06, -45.05
CIE LCh	66, 46.640, 255.019
Yxy	35.9159, 0.1973, 0.2302
Android (android.graphics.Color)	4278234354 (0xFF00ACF2)
YUV	128.5520, 55.9299, -112.7401
Hunter-Lab	59.9299, -13.2011, -46.4101

Details

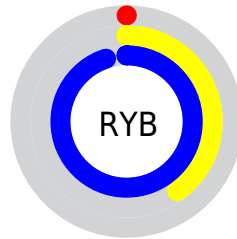
The XYZ color **30.7795, 35.9159, 89.3146** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **38.8126, 23.2654, 2.4468**, and the grayscale version is **20.5591, 21.6298, 23.5548**.

A 20% lighter version of the original color is **51.9495, 65.4732, 104.5073**, and **15.4734, 16.9357, 48.3523** is the 20% darker color. If you saturate the color by 10%, you get **30.7767, 35.9099, 89.3144**, and if you desaturate by 10%, it is **32.5309, 38.8500, 89.7894**.

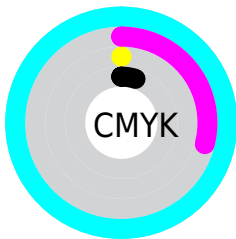
Distribution



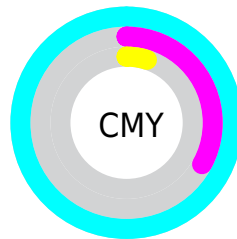
- Red (0%)
- Green (67%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- 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 30.7795, 35.9159, 89.3146 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 30.7795, 35.9159, 89.3146 by changing the saturation by 10% instead.

30.7795, 35.9159,
89.3146

30.7795, 35.9159,
89.3146

297.3662,
328.5928, 546.3112

20.5820, 24.3693,
66.8418

60.2710, 68.9022,
148.3132

12.9295, 15.6078,
48.4953

80.2956, 91.1107,
185.6760

7.4567, 9.2470,
33.8565

104.3267,
117.6419, 228.8393

3.7982, 4.9027,
22.5069

132.7296,
148.8803, 278.2216

1.5886, 2.1903,
14.0280

165.8697,
185.2101, 334.2414

0.3850, 0.7147,
8.0012

204.1122,

0.0000, 0.0000,

227.0159, 397.3172

4.0079

247.8226,
274.6820, 467.8676

■ 0.0000, 0.0000,
1.6297

■ 0.0000, 0.0000,
0.3119

■ 30.7795, 35.9159,
89.3146

■ 30.7795, 35.9159,
89.3146

■ 30.7767, 35.9099,
89.3144

■ 32.5309, 38.8500,
89.7894

■ 34.8280, 42.1706,
90.3093

■ 37.8208, 45.9572,
90.8824

■ 41.5985, 50.2573,
91.5133

■ 46.2363, 55.1110,
92.2057

■ 51.8001, 60.5537,
92.9630

■ 58.3488, 66.6172,
93.7883

■ 65.9363, 73.3308,
94.6842

■ 74.6127, 80.7215,
95.6535

Harmonies

Analogous

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



25.4912, 35.9159, 73.1372



30.7795, 35.9159, 89.3146



37.7393, 35.9159, 89.3032

Triad

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



30.7795, 35.9159, 89.3146



48.8317, 35.9159, 29.9563



25.4860, 35.9159, 17.7213

Complementary

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



30.7795, 35.9159, 89.3146



38.8126, 23.2654, 2.4468

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.



30.7715, 35.9159, 12.4673



30.7795, 35.9159, 89.3146



44.5452, 35.9159, 17.7107

Square

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



30.7795, 35.9159, 89.3146



48.8346, 35.9159, 49.9232



37.7302, 35.9159, 12.4643



22.7308, 35.9159, 29.9769

Rectangle

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



30.7795, 35.9159, 89.3146



42.4443, 35.9159, 79.8543



37.7302, 35.9159, 12.4643



26.9912, 35.9159, 15.2960

Sweetspot

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



30.7808, 35.9171, 89.3155



65.6262, 74.9466, 105.6150



32.8153, 63.9301, 16.1773



13.3506, 15.4057, 22.5199



0.0000, 0.0000, 0.0000



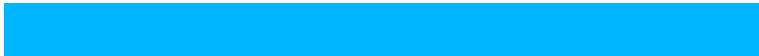
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7808, 35.9171, 89.3155



34.6191, 40.3582, 100.5730



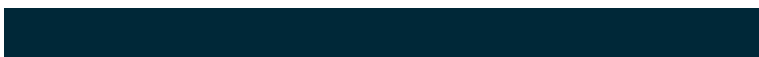
17.2775, 8.9105, 84.8144



15.8386, 17.1113, 20.1896



16.6565, 19.5372, 48.0210



1.4706, 1.7953, 4.0232

Inverse Universe

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



44.0655, 21.8574, 40.9271



49.6033, 24.6053, 45.9707



54.9414, 55.5231, 7.8231



16.2480, 15.9489, 18.8620



23.7330, 11.7656, 22.3086



2.0173, 0.9959, 2.0817

Previews

White Background



This preview shows how the XYZ color 30.7795, 35.9159, 89.3146 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 30.7795, 35.9159, 89.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

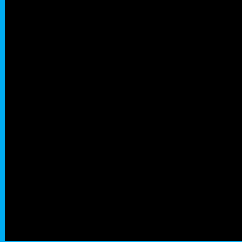
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

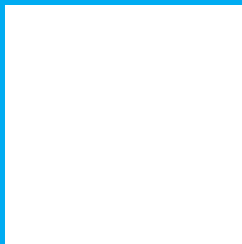
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7795, 35.9159, 89.3146

Background



This preview shows how black text looks on a background with the XYZ color 30.7795, 35.9159, 89.3146.

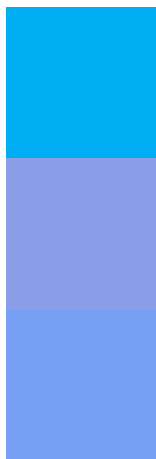


This preview shows how white text looks on a background with the XYZ color 30.7795, 35.9159,

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

30.7795, 35.9159, 89.3146

Protanopia

36.8263, 35.4853, 79.7713

Deuteranopia

36.6600, 35.6561, 91.3363



Tritanopia

25.6345, 36.0460, 55.4757

Trichromacy



Original Color

30.7795, 35.9159, 89.3146



Protanomaly

31.8790, 34.1611, 82.7555



Deuteranomaly

32.5851, 34.6191, 90.5527



Tritanomaly

27.1582, 35.7038, 66.4329

Monochromacy



Original Color

30.7795, 35.9159, 89.3146



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.8608, 24.9469, 41.7460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7795, 35.9159, 89.3146 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, 172, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 242)  
}
```

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, 172, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 242) }
```

Border

The CSS property to change the border of an element to XYZ 30.7795, 35.9159, 89.3146 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, 172, 242) }
```


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

```
.border{ border-color:rgb(0, 172, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7795, 35.9159, 89.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 242) }
```

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

```
.background{ background-color: rgb(0, 172,  
242) }
```

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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