

Converting Colors

XYZ(30.9549, 35.6978, 89.2640)

Have a look what the booklet for
XYZ(30.9549, 35.6978, 89.2640)
contains.

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Color

**XYZ(30.9666, 35.7308,
89.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	18ABF2
RGB	24, 171, 242
RGB Percent	9%, 67%, 95%
CMY	0.9057, 0.3294, 0.0510
CMYK	0.90, 0.29, 0.00, 0.05
HSL	200°, 89%, 52%
HSV	200°, 90%, 95%
XYZ	30.9666, 35.7308, 89.2690
YIQ	135.1410, -110.4030, -9.0830

Conversions

Conversions Part 2

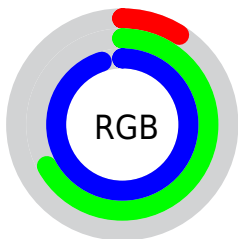
Format	Color
R _Y B	24, 112, 242
Decimal	1616882
CIE Lab	66.31, -10.75, -45.27
CIE LCh	66, 46.526, 256.640
Yxy	35.7308, 0.1985, 0.2291
Android (android.graphics.Color)	4279806962 (0xFF18ABF2)
YUV	135.1410, 52.6815, -97.4707
Hunter-Lab	59.7752, -12.1347, -46.7017

Details

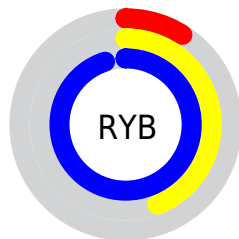
The XYZ color **30.9666, 35.7308, 89.2690** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **40.8788, 27.1342, 3.9490**, and the grayscale version is **22.9258, 24.1197, 26.2664**.

A 20% lighter version of the original color is **52.1858, 65.1901, 104.4402**, and **15.3538, 16.6964, 48.3124** is the 20% darker color. If you saturate the color by 10%, you get **29.1550, 32.6666, 88.7738**, and if you desaturate by 10%, it is **33.3542, 39.2389, 89.8211**.

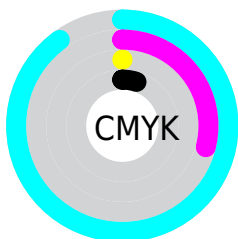
Distribution



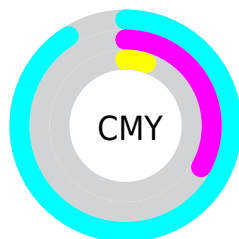
- Red (9%)
- Green (67%)
- Blue (95%)



- Red (9%)
- Yellow (44%)
- Blue (95%)



- Cyan (90%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)



- Cyan (91%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9666, 35.7308, 89.2690 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 30.9666, 35.7308, 89.2690 by changing the saturation by 10% instead.

■ 30.9666, 35.7308,
89.2690

■ 30.9666, 35.7308,
89.2690

298.2140,
327.7824, 546.1587

■ 20.7251, 24.2264,
66.8042

■ 60.5637, 68.6164,
148.2492

■ 13.0345, 15.5016,
48.4649

■ 80.6500, 90.7663,
185.6017

■ 7.5295, 9.1722,
33.8326

■ 104.7486,
117.2335, 228.7539

■ 3.8446, 4.8537,
22.4887

■ 133.2249,
148.4023, 278.1243

■ 1.6146, 2.1617,
14.0147

■ 166.4443,
184.6572, 334.1314

■ 0.4019, 0.6990,
7.9920

204.7720,

■ 0.0000, 0.0000,

226.3826, 397.1938

4.0021

248.5735,
273.9629, 467.7301

■ 0.0000, 0.0000,
1.6265

■ 0.0000, 0.0000,
0.3096

■ 30.9666, 35.7308,
89.2690

■ 30.9666, 35.7308,
89.2690

■ 29.1550, 32.6666,
88.7738

■ 33.3542, 39.2389,
89.8211

■ 36.4533, 43.2474,
90.4314

■ 40.3550, 47.8060,
91.1057

■ 45.1352, 52.9556,
91.8477

■ 50.8600, 58.7327,
92.6611

■ 57.5890, 65.1699,
93.5489

■ 65.3766, 72.2973,
94.5142

■ 74.2731, 80.1426,
95.5596

■ 84.3254, 88.7321,
96.6877

Harmonies

Analogous

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



25.5893, 35.7308, 73.8820



30.9666, 35.7308, 89.2690



37.9325, 35.7308, 88.2862

Triad

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



30.9666, 35.7308, 89.2690



48.4375, 35.7308, 28.9441



25.1440, 35.7308, 18.1038

Complementary

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



30.9666, 35.7308, 89.2690



40.8788, 27.1342, 3.9490

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.



30.2770, 35.7308, 12.5538



30.9666, 35.7308, 89.2690



43.9846, 35.7308, 17.1894

Square

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



30.9666, 35.7308, 89.2690



48.6888, 35.7308, 48.4325



37.1426, 35.7308, 12.2890



22.5502, 35.7308, 30.7165

Rectangle

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



30.9666, 35.7308, 89.2690



42.5747, 35.7308, 78.3913



37.1426, 35.7308, 12.2890



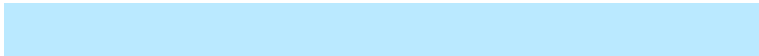
26.5954, 35.7308, 15.5708

Sweetspot

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



30.9679, 35.7320, 89.2699



67.3544, 75.7143, 105.6721



34.1083, 64.4908, 21.0197



13.8070, 15.6393, 22.5409



0.0000, 0.0000, 0.0000



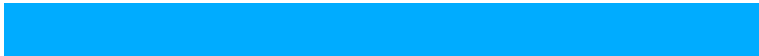
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9679, 35.7320, 89.2699



32.7906, 36.7012, 99.9635



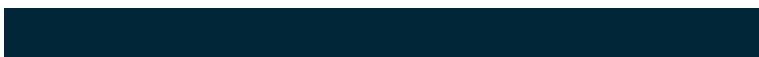
18.2378, 10.2718, 85.0266



15.7882, 17.0105, 20.1728



15.7918, 17.8079, 47.7328



1.4038, 1.6616, 4.0010

Inverse Universe

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



44.2965, 22.4725, 40.5319



48.6804, 24.2362, 41.1105



57.9136, 61.2036, 9.6272



16.2225, 15.9387, 18.7280



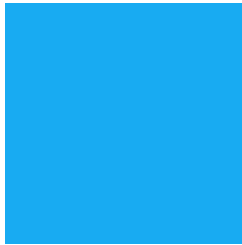
23.2966, 11.5911, 20.0103



1.9835, 0.9825, 1.9041

Previews

White Background



This preview shows how the XYZ color 30.9666, 35.7308, 89.2690 looks on a white background.

Color Contrast Check

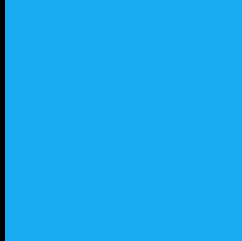
Large Text (above 18pt) WCAG AA × Fail

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 30.9666, 35.7308, 89.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

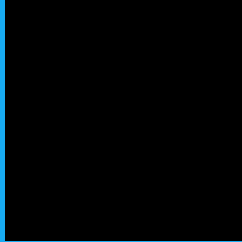
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

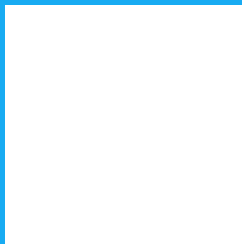
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9666, 35.7308, 89.2690

Background



This preview shows how black text looks on a background with the XYZ color 30.9666, 35.7308, 89.2690.



This preview shows how white text looks on a background with the XYZ color 30.9666, 35.7308,

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

30.9666, 35.7308, 89.2690

Protanopia

36.8040, 35.4575, 80.5055

Deuteranopia

36.5234, 35.5857, 91.3299



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

30.9666, 35.7308, 89.2690

Protanomaly

32.8119, 34.6254, 83.5513

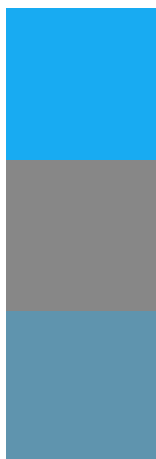
Deuteranomaly

33.2608, 34.9674, 90.5843

Tritanomaly

27.0755, 35.3712, 66.3731

Monochromacy



Original Color

30.9666, 35.7308, 89.2690

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9492, 26.6687, 43.9824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9666, 35.7308, 89.2690 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(24, 171, 242)` looks like.

```
.text, #text, p{  
    color:rgb(24, 171, 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(24, 171, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 171, 242) }
```

Border

The CSS property to change the border of an element to XYZ 30.9666, 35.7308, 89.2690 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(24, 171, 242) }
```


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

```
.border{ border-color:rgb(24, 171, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 171, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 171, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 171, 242);  
box-shadow:4px 4px 4px 4px rgb(24, 171,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9666, 35.7308, 89.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 171, 242) }
```

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

```
.background{ background-color: rgb(24, 171,  
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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