

Converting Colors

XYZ(30.3730, 31.2323, 92.2939)

Have a look what the booklet for
XYZ(30.3730, 31.2323, 92.2939)
contains.

XYZ(30.3135, 31.0879, 92.3986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3135, 31.0879,
92.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9BF7
RGB	59, 155, 247
RGB Percent	23%, 61%, 97%
CMY	0.7686, 0.3922, 0.0314
CMYK	0.76, 0.37, 0.00, 0.03
HSL	209°, 92%, 60%
HSV	209°, 76%, 97%
XYZ	30.3135, 31.0879, 92.3986
YIQ	136.7840, -86.7480, 8.2600

Conversions

Conversions Part 2

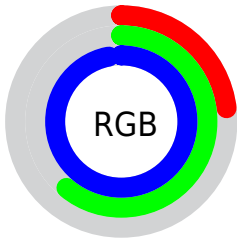
Format	Color
R _Y B	59, 123, 247
Decimal	3906551
CIE Lab	62.58, 2.90, -53.86
CIE LCh	63, 53.942, 273.081
Yxy	31.0879, 0.1971, 0.2021
Android (android.graphics.Color)	4282096631 (0xFF3B9BF7)
YUV	136.7840, 54.3365, -68.2166
Hunter-Lab	55.7565, -0.5277, -59.2246

Details

The XYZ color **30.3135, 31.0879, 92.3986** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **50.2168, 42.2281, 9.6438**, and the grayscale version is **23.5235, 24.7485, 26.9511**.

A 20% lighter version of the original color is **50.0564, 57.5668, 103.0810**, and **14.2446, 13.6183, 50.5930** is the 20% darker color. If you saturate the color by 10%, you get **27.2682, 26.6798, 91.7089**, and if you desaturate by 10%, it is **34.2545, 36.2574, 93.1894**.

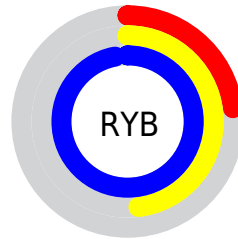
Distribution



Red (23%)

Green (61%)

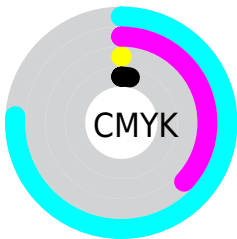
Blue (97%)



Red (23%)

Yellow (48%)

Blue (97%)

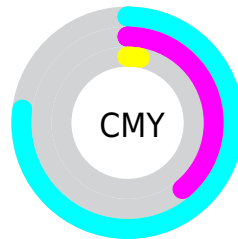


Cyan (76%)

Magenta (37%)

Yellow (0%)

Black (3%)



Cyan (77%)

Magenta (39%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3135, 31.0879, 92.3986 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 30.3135, 31.0879, 92.3986 by changing the saturation by 10% instead.

■ 30.3135, 31.0879,
92.3986

■ 30.3135, 31.0879,
92.3986

295.2467,
306.9431, 556.5731

■ 20.2259, 20.6658,
69.3869

■ 59.5408, 61.3784,
152.6302

■ 12.6686, 12.8799,
50.5531

■ 79.4113, 82.0157,
190.6872

■ 7.2762, 7.3459,
35.4788

■ 103.2734,
106.8267, 234.5963

■ 3.6833, 3.6794,
23.7455

■ 131.4926,
136.1959, 284.7761

■ 1.5246, 1.4959,
14.9345

164.4342,
170.5078, 341.6451

■ 0.3424, 0.2858,
8.6273

202.4635,

■ 0.0000, 0.0000,

210.1467, 405.6219

4.4054

245.9459,
255.4970, 477.1251

■ 0.0000, 0.0000,
1.8503

■ 0.0000, 0.0000,
0.4608

■ 30.3135, 31.0879,
92.3986

■ 30.3135, 31.0879,
92.3986

■ 27.2682, 26.6798,
91.7089

■ 34.2545, 36.2574,
93.1894

■ 25.0018, 22.9632,
91.1110

■ 39.1793, 42.2412,
94.0848

■ 24.2648, 21.6678,
90.8998

■ 45.1685, 49.0890,
95.0909

■ 52.2925, 56.8451,
96.2125

■ 60.6152, 65.5497,
97.4540

■ 70.1954, 75.2406,
98.8196

■ 81.0878, 85.9528,
100.3132

■ 92.7469, 97.4120,
101.9105

■ 93.7886, 99.4955,
102.2578

Harmonies

Analogous

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



23.6067, 31.0879, 84.2112



30.3135, 31.0879, 92.3986



37.9429, 31.0879, 80.2836

Triad

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



30.3135, 31.0879, 92.3986



43.0254, 31.0879, 16.2297



18.6634, 31.0879, 18.6467

Complementary

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



30.3135, 31.0879, 92.3986



50.2168, 42.2281, 9.6438

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.



22.4930, 31.0879, 10.0175



30.3135, 31.0879, 92.3986



36.4111, 31.0879, 9.0830

Square

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



30.3135, 31.0879, 92.3986



46.0053, 31.0879, 31.7223



28.7957, 31.0879, 7.4009



17.5743, 31.0879, 36.0696

Rectangle

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



30.3135, 31.0879, 92.3986



42.3326, 31.0879, 64.4061



28.7957, 31.0879, 7.4009



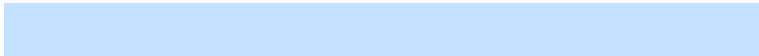
19.6377, 31.0879, 14.9088

Sweetspot

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



30.3147, 31.0889, 92.3994



68.1833, 73.5571, 105.2120



40.5605, 69.6503, 40.1075



13.8361, 14.9684, 22.4099



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.



30.3147, 31.0889, 92.3994



27.9915, 26.5801, 98.2629



20.3239, 11.1071, 89.0691



16.2808, 17.3258, 21.0287



12.9755, 11.7448, 48.1211



1.2433, 1.2380, 4.2637

Inverse Universe

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



45.8393, 25.2704, 33.4726



46.3856, 23.8069, 27.5200



71.4588, 84.7121, 16.7245



16.8523, 16.6238, 18.9687



22.3540, 11.2850, 11.8382



2.0166, 1.0126, 1.3139

Previews

White Background



This preview shows how the XYZ color 30.3135, 31.0879, 92.3986 looks on a white background.

Color Contrast Check

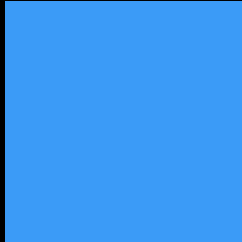
Large Text (above 18pt) WCAG AA × Fail

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 30.3135, 31.0879, 92.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

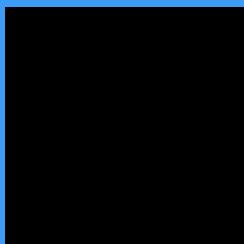
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

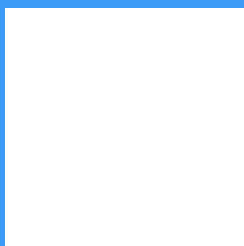
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3135, 31.0879, 92.3986

Background



This preview shows how black text looks on a background with the XYZ color 30.3135, 31.0879, 92.3986.



This preview shows how white text looks on a background with the XYZ color 30.3135, 31.0879,

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

30.3135, 31.0879, 92.3986

Protanopia

33.2321, 30.8035, 86.6322

Deuteranopia

31.9404, 30.9368, 93.0949



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

30.3135, 31.0879, 92.3986

Protanomaly

31.8033, 30.7167, 89.0467

Deuteranomaly

31.2321, 30.8116, 93.1081

Tritanomaly

24.3055, 30.7134, 61.7740

Monochromacy



Original Color

30.3135, 31.0879, 92.3986

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.2157, 26.3721, 45.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3135, 31.0879, 92.3986 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(59, 155, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 155, 247)  
}
```

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(59, 155, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 155, 247) }
```

Border

The CSS property to change the border of an element to XYZ 30.3135, 31.0879, 92.3986 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(59, 155, 247) }
```


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

```
.border{ border-color:rgb(59, 155, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 155, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 155, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 155, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 155,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3135, 31.0879, 92.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 155, 247) }
```

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

```
.background{ background-color: rgb(59, 155,  
247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor