

Converting Colors

XYZ(30.2030, 31.3756, 94.8245)

Have a look what the booklet for
XYZ(30.2030, 31.3756, 94.8245)
contains.

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Color

**XYZ(30.3086, 31.5297,
94.9309)**

Conversions

Conversions Part 1

Format	Color
Hex	2B9DFA
RGB	43, 157, 250
RGB Percent	17%, 62%, 98%
CMY	0.8313, 0.3843, 0.0196
CMYK	0.83, 0.37, 0.00, 0.02
HSL	207°, 95%, 57%
HSV	207°, 83%, 98%
XYZ	30.3086, 31.5297, 94.9309
YIQ	133.5160, -97.7970, 4.7550

Conversions

Conversions Part 2

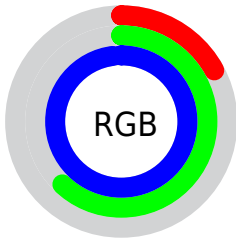
Format	Color
RYB	43, 117, 250
Decimal	2858490
CIELab	62.95, 1.28, -54.94
CIELCh	63, 54.955, 271.339
Yxy	31.5297, 0.1933, 0.2011
Android (android.graphics.Color)	4281048570 (0xFF2B9DFA)
YUV	133.5160, 57.4266, -79.3825
Hunter-Lab	56.1513, -1.9165, -60.9313

Details

The XYZ color **30.3086, 31.5297, 94.9309** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.6684, 38.1132, 7.0791**, and the grayscale version is **22.3077, 23.4695, 25.5583**.

A 20% lighter version of the original color is **49.5126, 58.0195, 103.1970**, and **14.7797, 14.1583, 52.4059** is the 20% darker color. If you saturate the color by 10%, you get **27.7485, 27.5174, 94.2921**, and if you desaturate by 10%, it is **33.6869, 36.2239, 95.6596**.

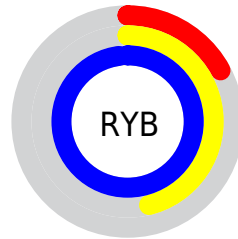
Distribution



Red (17%)

Green (62%)

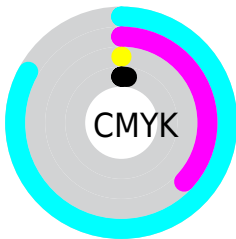
Blue (98%)



Red (17%)

Yellow (46%)

Blue (98%)

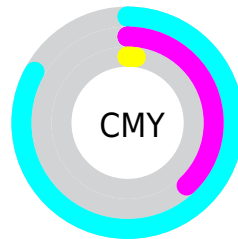


Cyan (83%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (83%)

Magenta (38%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3086, 31.5297, 94.9309 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 30.3086, 31.5297, 94.9309 by changing the saturation by 10% instead.

■ 30.3086, 31.5297,
94.9309

■ 30.3086, 31.5297,
94.9309

295.2243,
308.9713, 564.9224

■ 20.2222, 21.0025,
71.4809

■ 59.5332, 62.0731,
156.1639

■ 12.6659, 13.1259,
52.2505

■ 79.4020, 82.8581,
194.7840

■ 7.2743, 7.5153,
36.8212

■ 103.2624,
107.8311, 239.2978

■ 3.6821, 3.7864,
24.7744

■ 131.4796,
137.3767, 290.1239

■ 1.5239, 1.5548,
15.6915

■ 164.4190,
171.8790, 347.6809

■ 0.3420, 0.3268,
9.1542

202.4461,

■ 0.0000, 0.0000,

211.7227, 412.3873

4.7437

245.9261,
257.2920, 484.6616

■ 0.0000, 0.0000,
2.0416

■ 0.0000, 0.0000,
0.5807

■ 30.3086, 31.5297,
94.9309

■ 30.3086, 31.5297,
94.9309

■ 27.7485, 27.5174,
94.2921

■ 33.6869, 36.2239,
95.6596

■ 26.2967, 24.9848,
93.8797

■ 37.9859, 41.6584,
96.4820

■ 43.2953, 47.8864,
97.4043

■ 49.6920, 54.9537,
98.4313

■ 57.2450, 62.9019,
99.5673

■ 66.0168, 71.7690,
100.8165

■ 76.0656, 81.5907,
102.1827

■ 87.4453, 92.4004,
103.6694

■ 94.2555, 99.6822,
104.7160

Harmonies

Analogous

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



23.5302, 31.5297, 85.2648



30.3086, 31.5297, 94.9309



38.1708, 31.5297, 83.4951

Triad

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



30.3086, 31.5297, 94.9309



44.1568, 31.5297, 16.9282



18.9487, 31.5297, 18.0006

Complementary

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



30.3086, 31.5297, 94.9309



48.6684, 38.1132, 7.0791

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.



23.0336, 31.5297, 9.6557



30.3086, 31.5297, 94.9309



37.4844, 31.5297, 9.2446

Square

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



30.3086, 31.5297, 94.9309



46.9513, 31.5297, 33.3679



29.6300, 31.5297, 7.2828



17.6710, 31.5297, 35.3114

Rectangle

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



30.3086, 31.5297, 94.9309



42.7941, 31.5297, 67.4064



29.6300, 31.5297, 7.2828



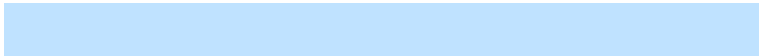
20.0009, 31.5297, 14.3561

Sweetspot

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



30.3099, 31.5307, 94.9317



66.8920, 72.9153, 105.1562



39.3969, 70.5714, 33.6317



13.6171, 14.9013, 22.4085



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.



30.3099, 31.5307, 94.9317



27.6910, 26.4545, 98.2545



19.7070, 10.3248, 91.3974



17.0755, 18.2278, 22.0036



14.0944, 13.5443, 49.8450



1.4112, 1.4662, 4.6518

Inverse Universe

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



46.3753, 24.4879, 34.1813



46.1179, 23.2554, 27.4800



69.9148, 80.6062, 14.1613



17.6446, 17.3852, 19.9844



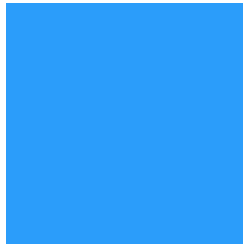
23.4062, 11.7782, 14.1134



2.2213, 1.1122, 1.5885

Previews

White Background



This preview shows how the XYZ color 30.3086, 31.5297, 94.9309 looks on a white background.

Color Contrast Check

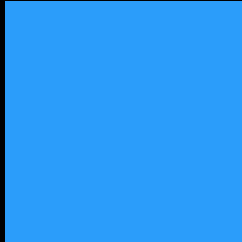
Large Text (above 18pt) WCAG AA × Fail

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 30.3086, 31.5297, 94.9309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

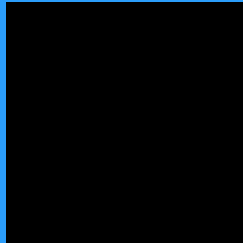
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

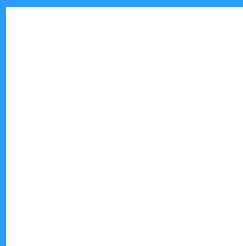
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3086, 31.5297, 94.9309

Background



This preview shows how black text looks on a background with the XYZ color 30.3086, 31.5297, 94.9309.



This preview shows how white text looks on a background with the XYZ color 30.3086, 31.5297,

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

30.3086, 31.5297, 94.9309

Protanopia

33.6871, 31.2355, 88.2579

Deuteranopia

32.3871, 31.3528, 95.6115



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

30.3086, 31.5297, 94.9309

Protanomaly

31.6679, 30.8496, 90.6717

Deuteranomaly

31.4940, 31.3783, 95.6635

Tritanomaly

24.5086, 31.0689, 62.4628

Monochromacy



Original Color

30.3086, 31.5297, 94.9309

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8763, 25.2473, 44.7418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3086, 31.5297, 94.9309 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(43, 157, 250)` looks like.

```
.text, #text, p{  
    color:rgb(43, 157, 250)  
}
```

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(43, 157, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 157, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.3086, 31.5297, 94.9309 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(43, 157, 250) }
```


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

```
.border{ border-color:rgb(43, 157, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 157, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 157, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 157, 250);  
box-shadow:4px 4px 4px 4px rgb(43, 157,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3086, 31.5297, 94.9309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 157, 250) }
```

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

```
.background{ background-color: rgb(43, 157,  
250) }
```

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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