

Converting Colors

XYZ(30.3717, 31.3783, 95.7253)

Have a look what the booklet for
XYZ(30.3717, 31.3783, 95.7253)
contains.

XYZ(30.2973, 31.2556, 95.7029)	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(30.2973, 31.2556,
95.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	2B9CFB
RGB	43, 156, 251
RGB Percent	17%, 61%, 98%
CMY	0.8313, 0.3882, 0.0157
CMYK	0.83, 0.38, 0.00, 0.02
HSL	207°, 96%, 58%
HSV	207°, 83%, 98%
XYZ	30.2973, 31.2556, 95.7029
YIQ	133.0430, -97.8430, 5.5890

Conversions

Conversions Part 2

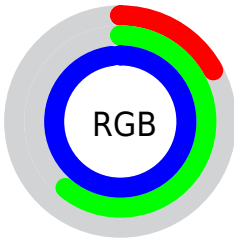
Format	Color
R _Y B	43, 116, 251
Decimal	2858235
CIE Lab	62.72, 2.23, -55.85
CIE LCh	63, 55.896, 272.287
Yxy	31.2556, 0.1927, 0.1988
Android (android.graphics.Color)	4281048315 (0xFF2B9CFB)
YUV	133.0430, 58.1528, -78.9677
Hunter-Lab	55.9067, -1.1029, -62.3598

Details

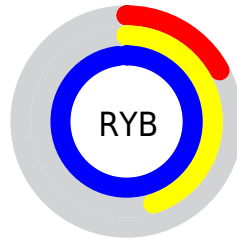
The XYZ color **30.2973, 31.2556, 95.7029** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **49.3117, 38.8666, 7.1905**, and the grayscale version is **22.1332, 23.2859, 25.3583**.

A 20% lighter version of the original color is **49.2650, 57.5241, 103.1145**, and **14.7892, 13.9982, 52.9614** is the 20% darker color. If you saturate the color by 10%, you get **27.7154, 27.2024, 95.0573**, and if you desaturate by 10%, it is **33.7094, 36.0071, 96.4409**.

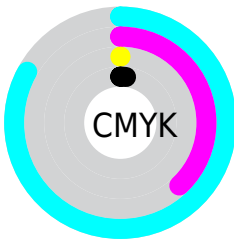
Distribution



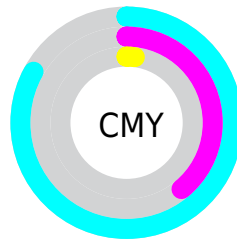
- Red (17%)
- Green (61%)
- Blue (98%)



- Red (17%)
- Yellow (45%)
- Blue (98%)



- Cyan (83%)
- Magenta (38%)
- Yellow (0%)
- Black (2%)



- Cyan (83%)
- Magenta (39%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2973, 31.2556, 95.7029 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 30.2973, 31.2556, 95.7029 by changing the saturation by 10% instead.

■ 30.2973, 31.2556,
95.7029

■ 30.2973, 31.2556,
95.7029

295.1728,
307.7141, 567.4545

■ 20.2135, 20.7936,
72.1200

■ 59.5154, 61.6423,
157.2393

■ 12.6595, 12.9732,
52.7693

■ 79.3805, 82.3357,
196.0298

■ 7.2699, 7.4101,
37.2322

■ 103.2368,
107.2083, 240.7267

■ 3.6793, 3.7199,
25.0901

■ 131.4495,
136.6446, 291.7484

■ 1.5223, 1.5181,
15.9246

■ 164.3842,
171.0290, 349.5135

■ 0.3410, 0.3014,
9.3170

202.4060,

■ 0.0000, 0.0000,

210.7457, 414.4405

4.8489

245.8804,
256.1793, 486.9480

■ 0.0000, 0.0000,
2.1017

■ 0.0000, 0.0000,
0.6168

■ 30.2973, 31.2556,
95.7029

■ 30.2973, 31.2556,
95.7029

■ 27.7154, 27.2024,
95.0573

■ 33.7094, 36.0071,
96.4409

■ 26.2664, 24.6724,
94.6454

■ 38.0557, 41.5165,
97.2752

■ 43.4270, 47.8381,
98.2123

■ 49.9015, 55.0185,
99.2570

■ 57.5488, 63.1001,
100.4139

■ 66.4326, 72.1221,
101.6871

■ 76.6117, 82.1206,
103.0805

■ 88.1408, 93.1299,
104.5978

■ 94.4127, 99.7451,
105.5441

Harmonies

Analogous

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



23.3899, 31.2556, 86.4743



30.2973, 31.2556, 95.7029



38.2599, 31.2556, 83.3871

Triad

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



30.2973, 31.2556, 95.7029



43.9272, 31.2556, 16.1511



18.5138, 31.2556, 17.9849

Complementary

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



30.2973, 31.2556, 95.7029



49.3117, 38.8666, 7.1905

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.



22.5352, 31.2556, 9.4262



30.2973, 31.2556, 95.7029



37.0711, 31.2556, 8.7310

Square

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



30.2973, 31.2556, 95.7029



46.9239, 31.2556, 32.3814



29.1254, 31.2556, 6.9365



17.3202, 31.2556, 35.7378

Rectangle

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



30.2973, 31.2556, 95.7029



42.9007, 31.2556, 66.7744



29.1254, 31.2556, 6.9365



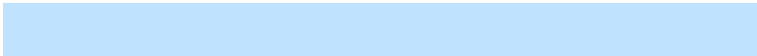
19.5412, 31.2556, 14.2477

Sweetspot

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



30.2986, 31.2566, 95.7037



66.7628, 72.6567, 105.1131



39.9821, 71.3040, 35.1769



13.5863, 14.8396, 22.3982



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.



30.2986, 31.2566, 95.7037



27.4145, 25.9016, 98.1624



19.7022, 10.0638, 92.1716



17.0644, 18.2055, 21.9999



13.9542, 13.2639, 49.7983



1.3984, 1.4405, 4.6475

Inverse Universe

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



46.6495, 24.6390, 33.7503



45.9783, 23.1996, 26.7452



71.5580, 83.3591, 14.6059



17.6390, 17.3830, 19.9548



23.3354, 11.7499, 13.7407



2.2148, 1.1096, 1.5544

Previews

White Background



This preview shows how the XYZ color 30.2973, 31.2556, 95.7029 looks on a white background.

Color Contrast Check

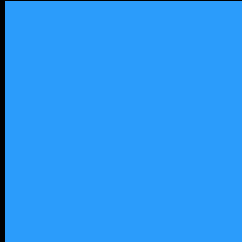
Large Text (above 18pt) WCAG AA × Fail

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 30.2973, 31.2556, 95.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

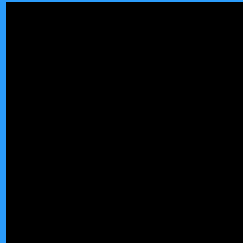
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

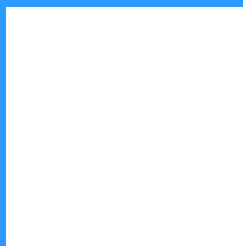
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2973, 31.2556, 95.7029

Background



This preview shows how black text looks on a background with the XYZ color 30.2973, 31.2556, 95.7029.



This preview shows how white text looks on a background with the XYZ color 30.2973, 31.2556,

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

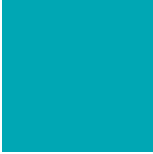
30.2973, 31.2556, 95.7029

Protanopia

33.4214, 30.8492, 88.9870

Deuteranopia

32.1923, 31.2341, 96.4275



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

30.2973, 31.2556, 95.7029

Protanomaly

31.5654, 30.5412, 91.4201

Deuteranomaly

31.2767, 31.0040, 96.4314

Tritanomaly

24.4515, 30.7608, 63.0412

Monochromacy



Original Color

30.2973, 31.2556, 95.7029

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6169, 24.8937, 44.6872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2973, 31.2556, 95.7029 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, 156, 251)` looks like.

```
.text, #text, p{  
    color:rgb(43, 156, 251)  
}
```

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, 156, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 156, 251) }
```

Border

The CSS property to change the border of an element to XYZ 30.2973, 31.2556, 95.7029 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, 156, 251) }
```


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

```
.border{ border-color:rgb(43, 156, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 156, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 156, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 156, 251);  
box-shadow:4px 4px 4px 4px rgb(43, 156,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2973, 31.2556, 95.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 156, 251) }
```

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

```
.background{ background-color: rgb(43, 156,  
251) }
```

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