

Converting Colors

XYZ(30.9176, 31.6095, 99.0794)

Have a look what the booklet for
XYZ(30.9176, 31.6095, 99.0794)
contains.

XYZ(30.8529, 31.4684, 99.0556)	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>	30

Color

**XYZ(30.8529, 31.4684,
99.0556)**

Conversions

Conversions Part 1

Format	Color
Hex	299CFF
RGB	41, 156, 255
RGB Percent	16%, 61%, 100%
CMY	0.8391, 0.3882, 0.0000
CMYK	0.84, 0.39, 0.00, 0.00
HSL	208°, 100%, 58%
HSV	208°, 84%, 100%
XYZ	30.8529, 31.4684, 99.0556
YIQ	132.9010, -100.3190, 6.4090

Conversions

Conversions Part 2

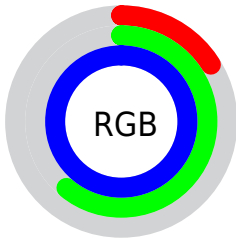
Format	Color
R _Y B	41, 116, 255
Decimal	2727167
CIE Lab	62.90, 3.54, -57.76
CIE LCh	63, 57.864, 273.505
Yxy	31.4684, 0.1912, 0.1950
Android (android.graphics.Color)	4280917247 (0xFF299CFF)
YUV	132.9010, 60.1948, -80.5972
Hunter-Lab	56.0967, 0.0049, -65.4266

Details

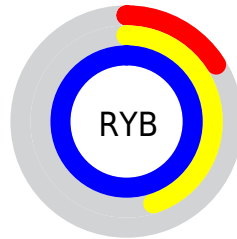
The XYZ color **30.8529, 31.4684, 99.0556** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **51.0218, 40.1825, 7.1667**, and the grayscale version is **22.0754, 23.2251, 25.2921**.

A 20% lighter version of the original color is **49.2650, 57.5241, 103.1145**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **28.2598, 27.3343, 98.3943**, and if you desaturate by 10%, it is **34.2977, 36.3277, 99.8120**.

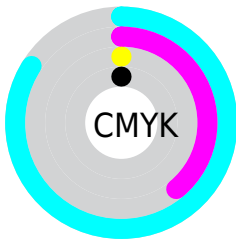
Distribution



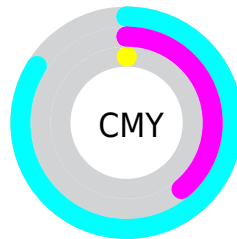
- Red (16%)
- Green (61%)
- Blue (100%)



- Red (16%)
- Yellow (45%)
- Blue (100%)



- Cyan (84%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8529, 31.4684, 99.0556 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 30.8529, 31.4684, 99.0556 by changing the saturation by 10% instead.

■ 30.8529, 31.4684,
99.0556

■ 30.8529, 31.4684,
99.0556

297.6991,
308.6905, 578.3814

■ 20.6381, 20.9558,
74.8996

■ 60.3858, 61.9768,
161.8993

■ 12.9707, 13.0917,
55.0294

■ 80.4347, 82.7413,
201.4241

■ 7.4852, 7.4917,
39.0265

■ 104.4923,
107.6920, 246.9088

■ 3.8164, 3.7715,
26.4723

■ 132.9240,
137.2131, 298.7721

■ 1.5988, 1.5466,
16.9484

■ 166.0952,
171.6891, 357.4324

■ 0.3916, 0.3212,
10.0361

204.3712,

■ 0.0000, 0.0000,

211.5044, 423.3084

5.3170

248.1174,
257.0434, 496.8185

■ 0.0000, 0.0000,
2.3725

■ 0.0000, 0.0000,
0.7714

■ 30.8529, 31.4684,
99.0556

■ 30.8529, 31.4684,
99.0556

■ 28.2598, 27.3343,
98.3943

■ 34.2977, 36.3277,
99.8120

■ 26.9988, 25.1176,
98.0329

■ 38.7059, 41.9765,
100.6700

■ 44.1736, 48.4723,
101.6356

■ 50.7830, 55.8646,
102.7141

■ 58.6079, 64.1983,
103.9103

■ 67.7151, 73.5147,
105.2285

■ 78.1663, 83.8521,
106.6730

■ 90.0190, 95.2465,
108.2476

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.6029, 31.4684, 90.1816



30.8529, 31.4684, 99.0556



39.1535, 31.4684, 85.1812

Triad

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



30.8529, 31.4684, 99.0556



44.5312, 31.4684, 15.3517



18.2213, 31.4684, 18.2254

Complementary

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



30.8529, 31.4684, 99.0556



51.0218, 40.1825, 7.1667

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.



22.2490, 31.4684, 9.2079



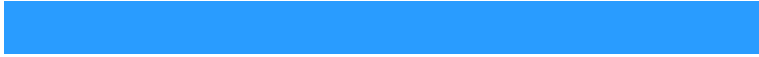
30.8529, 31.4684, 99.0556



37.2506, 31.4684, 8.1390

Square

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



30.8529, 31.4684, 99.0556



47.8824, 31.4684, 31.6595



28.9861, 31.4684, 6.5287



17.1128, 31.4684, 37.0070

Rectangle

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



30.8529, 31.4684, 99.0556



43.9382, 31.4684, 67.4014



28.9861, 31.4684, 6.5287



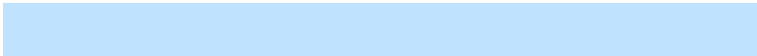
19.2388, 31.4684, 14.2833

Sweetspot

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



30.8541, 31.4693, 99.0557



66.6609, 72.4530, 105.0792



41.2131, 73.8070, 35.8586



13.5620, 14.7911, 22.3901



0.0000, 0.0000, 0.0000



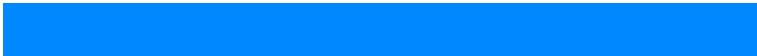
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8541, 31.4693, 99.0557



26.9988, 25.1176, 98.0329



20.1809, 10.1231, 95.4980



17.8115, 18.9946, 22.9775



14.2586, 13.4267, 51.2747



1.4977, 1.5260, 5.0289

Inverse Universe

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



48.0346, 25.2478, 33.7948



45.7569, 23.0668, 25.7159



74.0820, 86.3030, 14.8535



18.4175, 18.1503, 20.8157



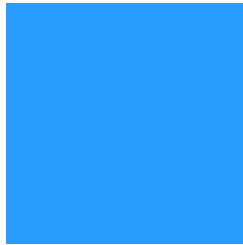
23.9853, 12.0834, 13.8388



2.3906, 1.1986, 1.6381

Previews

White Background



This preview shows how the XYZ color 30.8529, 31.4684, 99.0556 looks on a white background.

Color Contrast Check

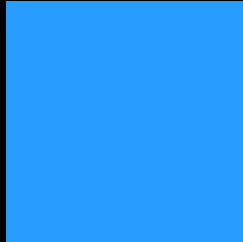
Large Text (above 18pt) WCAG AA × Fail

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 30.8529, 31.4684, 99.0556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

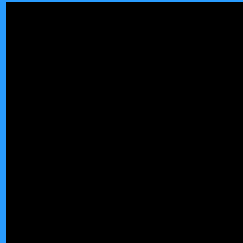
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

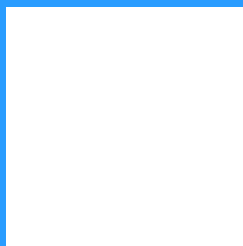
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8529, 31.4684, 99.0556

Background



This preview shows how black text looks on a background with the XYZ color 30.8529, 31.4684, 99.0556.



This preview shows how white text looks on a background with the XYZ color 30.8529, 31.4684,

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

30.8529, 31.4684, 99.0556

Protanopia

33.9340, 31.2747, 92.2438

Deuteranopia

32.3388, 31.2543, 98.9360

Trichromacy



Original Color

30.8529, 31.4684, 99.0556

Protanomaly

32.1597, 31.0138, 94.7337

Deuteranomaly

31.5556, 31.0925, 98.9460

Monochromacy



Original Color

30.8529, 31.4684, 99.0556

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7162, 24.9334, 45.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8529, 31.4684, 99.0556 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(41, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 156, 255)  
}
```

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(41, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8529, 31.4684, 99.0556 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(41, 156, 255) }
```

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

```
.border{ border-color:rgb(41, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 156,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 30.8529, 31.4684, 99.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 156, 255) }
```

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

```
.background{ background-color: rgb(41, 156,  
255) }
```

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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