

Converting Colors

XYZ(20.4020, 29.4915, 97.5723)

Have a look what the booklet for
XYZ(20.4020, 29.4915, 97.5723)
contains.

XYZ(31.9176, 35.4678, 98.0922)	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(31.9176, 35.4678,
98.0922)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9FD
RGB	0, 169, 253
RGB Percent	0%, 66%, 99%
CMY	0.9997, 0.3372, 0.0078
CMYK	1.00, 0.33, 0.00, 0.01
HSL	200°, 100%, 50%
HSV	200°, 100%, 99%
XYZ	31.9176, 35.4678, 98.0922
YIQ	128.0450, -127.6880, -9.7040

Conversions

Conversions Part 2

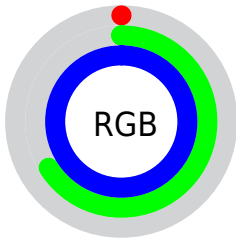
Format	Color
RYB	0, 101, 253
Decimal	43517
CIELab	66.11, -6.39, -51.59
CIELCh	66, 51.985, 262.938
Yxy	35.4678, 0.1929, 0.2143
Android (android.graphics.Color)	4278233597 (0xFF00A9FD)
YUV	128.0450, 61.6028, -112.2955
Hunter-Lab	59.5548, -8.5564, -55.9676

Details

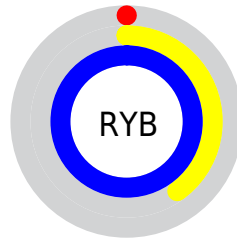
The XYZ color **31.9176, 35.4678, 98.0922** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.6849, 27.2353, 2.9567**, and the grayscale version is **20.3666, 21.4273, 23.3343**.

A 20% lighter version of the original color is **51.3877, 63.9761, 104.2479**, and **16.3251, 16.7081, 54.5891** is the 20% darker color. If you saturate the color by 10%, you get **31.9133, 35.4591, 98.0915**, and if you desaturate by 10%, it is **33.9421, 38.9075, 98.6502**.

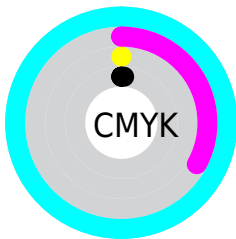
Distribution



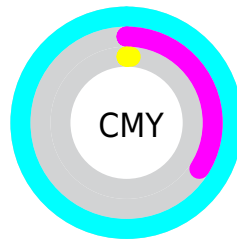
- Red (0%)
- Green (66%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (34%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9176, 35.4678, 98.0922 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 31.9176, 35.4678, 98.0922 by changing the saturation by 10% instead.

■ 31.9176, 35.4678,
98.0922

■ 31.9176, 35.4678,
98.0922

302.4957,
326.6284, 575.2529

■ 21.4538, 24.0234,
74.1002

■ 62.0480, 68.2098,
160.5619

■ 13.5705, 15.3510,
54.3788

■ 82.4452, 90.2763,
199.8767

■ 7.9022, 9.0661,
38.5094

■ 106.8844,
116.6523, 245.1362

■ 4.0837, 4.7843,
26.0734

■ 135.7308,
147.7221, 296.7589

■ 1.7496, 2.1213,
16.6523

■ 169.3497,
183.8703, 355.1634

■ 0.4870, 0.6766,
9.8275

208.1066,

■ 0.0000, 0.0000,

225.4811, 420.7682

5.1807

252.3668,
272.9390, 493.9919

■ 0.0000, 0.0000,
2.2931

■ 0.0000, 0.0000,
0.7273

■ 31.9176, 35.4678,
98.0922

■ 31.9176, 35.4678,
98.0922

■ 31.9133, 35.4591,
98.0915

■ 33.9421, 38.9075,
98.6502

■ 36.5969, 42.8237,
99.2662

■ 40.0467, 47.3041,
99.9492

■ 44.3918, 52.4031,
100.7044

■ 49.7169, 58.1669,
101.5362

■ 56.0958, 64.6359,
102.4487

■ 63.5950, 71.8469,
103.4453

■ 72.2752, 79.8334,
104.5293

■ 82.1925, 88.6267,
105.7039

Harmonies

Analogous

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



25.5277, 35.4678, 83.4855



31.9176, 35.4678, 98.0922



39.8381, 35.4678, 92.5388

Triad

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



31.9176, 35.4678, 98.0922



49.3249, 35.4678, 24.2978



23.1925, 35.4678, 18.2346

Complementary

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



31.9176, 35.4678, 98.0922



43.6849, 27.2353, 2.9567

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.



28.2468, 35.4678, 11.1955



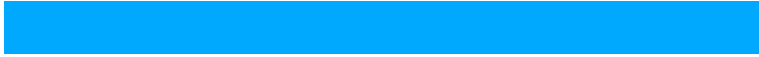
31.9176, 35.4678, 98.0922



43.4795, 35.4678, 13.6463

Square

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



31.9176, 35.4678, 98.0922



50.7062, 35.4678, 44.0883



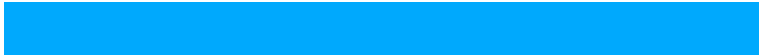
35.5705, 35.4678, 9.9155



21.0137, 35.4678, 33.6207

Rectangle

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



31.9176, 35.4678, 98.0922



44.8763, 35.4678, 78.8859



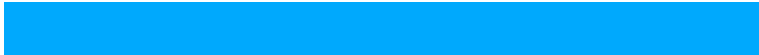
35.5705, 35.4678, 9.9155



24.5708, 35.4678, 15.0959

Sweetspot

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



31.9190, 35.4689, 98.0931



64.7089, 73.1119, 105.3092



36.5807, 70.8333, 19.3663



13.1309, 14.9663, 22.4467



0.0000, 0.0000, 0.0000



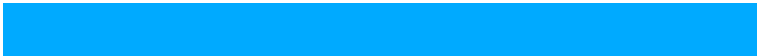
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9190, 35.4689, 98.0931



32.4832, 36.0864, 99.8611



18.7252, 9.0814, 93.6952



18.0168, 19.4052, 23.0459



17.1160, 19.1416, 52.2272



1.7669, 2.0645, 5.1186

Inverse Universe

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



47.6707, 23.7491, 39.6084



48.5252, 24.1741, 40.2935



62.7323, 65.3302, 9.3058



18.5211, 18.1918, 21.3614



25.4276, 12.6603, 21.4338



2.5265, 1.2530, 2.3538

Previews

White Background



This preview shows how the XYZ color 31.9176, 35.4678, 98.0922 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 31.9176, 35.4678, 98.0922 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

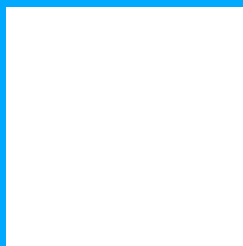
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9176, 35.4678, 98.0922

Background



This preview shows how black text looks on a background with the XYZ color 31.9176, 35.4678, 98.0922.



This preview shows how white text looks on a background with the XYZ color 31.9176, 35.4678,

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

31.9176, 35.4678, 98.0922

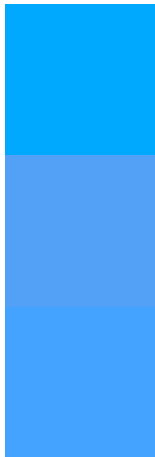
Protanopia

37.1372, 35.1919, 88.8398

Deuteranopia

36.4465, 35.3649, 99.5129

Trichromacy



Original Color

31.9176, 35.4678, 98.0922

Protanomaly

32.8591, 33.9374, 92.0075

Deuteranomaly

33.3013, 34.5434, 98.6783

Monochromacy



Original Color

31.9176, 35.4678, 98.0922

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7586, 24.4114, 43.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9176, 35.4678, 98.0922 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(0, 169, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 253)  
}
```

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(0, 169, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 253) }
```

Border

The CSS property to change the border of an element to XYZ 31.9176, 35.4678, 98.0922 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(0, 169, 253) }
```

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

```
.border{ border-color:rgb(0, 169, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
253) }
```


Background

The CSS property to change the background color of an element to XYZ 31.9176, 35.4678, 98.0922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 253) }
```

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

```
.background{ background-color: rgb(0, 169,  
253) }
```

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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