

Converting Colors

XYZ(13.6345, 23.7443, 97.3425)

Have a look what the booklet for
XYZ(13.6345, 23.7443, 97.3425)
contains.

XYZ(30.4602, 32.2974, 98.3945)	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(30.4602, 32.2974,
98.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0FE
RGB	0, 160, 254
RGB Percent	0%, 63%, 100%
CMY	0.9997, 0.3725, 0.0039
CMYK	1.00, 0.37, 0.00, 0.00
HSL	202°, 100%, 50%
HSV	202°, 100%, 100%
XYZ	30.4602, 32.2974, 98.3945
YIQ	122.8760, -125.5340, -4.6860

Conversions

Conversions Part 2

Format	Color
RYB	0, 98, 254
Decimal	41214
CIELab	63.59, -0.89, -56.14
CIELCh	64, 56.147, 269.095
Yxy	32.2974, 0.1890, 0.2004
Android (android.graphics.Color)	4278231294 (0xFF00A0FE)
YUV	122.8760, 64.6441, -107.7623
Hunter-Lab	56.8308, -3.7814, -62.8707

Details

The XYZ color **30.4602, 32.2974, 98.3945** 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 **44.8830, 29.0897, 3.2514**, and the grayscale version is **18.6172, 19.5868, 21.3300**.

A 20% lighter version of the original color is **48.7787, 58.7579, 103.3782**, and **15.5467, 14.9685, 54.8931** is the 20% darker color. If you saturate the color by 10%, you get **30.4558, 32.2883, 98.3937**, and if you desaturate by 10%, it is **32.5655, 35.8951, 98.9787**.

Distribution



- Red (0%)
- Green (63%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4602, 32.2974, 98.3945 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 30.4602, 32.2974, 98.3945 by changing the saturation by 10% instead.

■ 30.4602, 32.2974,
98.3945

■ 30.4602, 32.2974,
98.3945

■ 295.9152,
312.4718, 576.2356

■ 20.3380, 21.5888,
74.3510

■ 59.7708, 63.2770,
160.9817

■ 12.7506, 13.5550,
54.5828

■ 79.6900, 84.3168,
200.3625

■ 7.3329, 7.8118,
38.6715

■ 103.6054,
109.5691, 245.6927

■ 3.7193, 3.9748,
26.1984

■ 131.8826,
139.4183, 297.3911

■ 1.5446, 1.6595,
16.7450

■ 164.8868,
174.2487, 355.8760

■ 0.3559, 0.3972,
9.8928

202.9834,

■ 0.0000, 0.0000,

214.4449, 421.5660

5.2233

246.5377,
260.3911, 494.8797

■ 0.0000, 0.0000,
2.3178

■ 0.0000, 0.0000,
0.7412

■ 30.4602, 32.2974,
98.3945

■ 30.4602, 32.2974,
98.3945

■ 30.4558, 32.2883,
98.3937

■ 32.5655, 35.8951,
98.9787

■ 35.3299, 40.0192,
99.6290

■ 38.9199, 44.7596,
100.3548

■ 43.4378, 50.1727,
101.1615

■ 48.9695, 56.3065,
102.0539

■ 55.5905, 63.2031,
103.0361

■ 63.3685, 70.9011,
104.1120

■ 72.3654, 79.4355,
105.2851

■ 82.6384, 88.8390,
106.5588

Harmonies

Analogous

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



23.5886, 32.2974, 86.7294



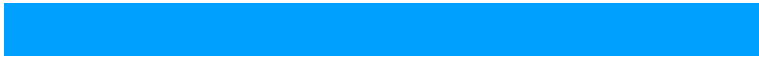
30.4602, 32.2974, 98.3945



38.6257, 32.2974, 87.9803

Triad

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



30.4602, 32.2974, 98.3945



45.8419, 32.2974, 18.0754



19.4962, 32.2974, 17.3280

Complementary

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



30.4602, 32.2974, 98.3945



44.8830, 29.0897, 3.2514

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.



23.9363, 32.2974, 9.3254



30.4602, 32.2974, 98.3945



39.1084, 32.2974, 9.6097

Square

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



30.4602, 32.2974, 98.3945



48.3694, 32.2974, 35.8528



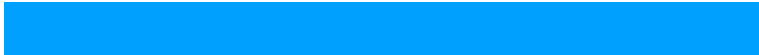
30.9365, 32.2974, 7.2548



17.9587, 32.2974, 34.4888

Rectangle

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



30.4602, 32.2974, 98.3945



43.5568, 32.2974, 71.6823



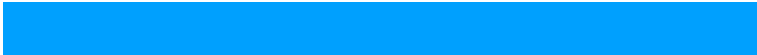
30.9365, 32.2974, 7.2548



20.6569, 32.2974, 13.7971

Sweetspot

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



30.4615, 32.2984, 98.3954



63.9069, 71.5080, 105.0419



37.4268, 71.6782, 22.2607



12.9394, 14.5833, 22.3828



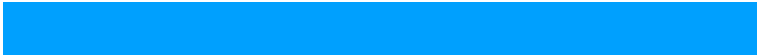
0.0000, 0.0000, 0.0000



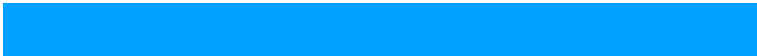
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4615, 32.2984, 98.3954



30.7256, 32.5712, 99.2752



18.4605, 8.2964, 94.3950



17.9566, 19.2847, 23.0259



16.2025, 17.3146, 51.9227



1.6822, 1.8951, 5.0904

Inverse Universe

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



47.2195, 23.6107, 35.3269



47.6381, 23.8192, 35.6218



66.5048, 72.3332, 10.4587



18.4907, 18.1796, 21.2013



24.9665, 12.4759, 19.0058



2.4837, 1.2359, 2.1286

Previews

White Background



This preview shows how the XYZ color 30.4602, 32.2974, 98.3945 looks on a white background.

Color Contrast Check

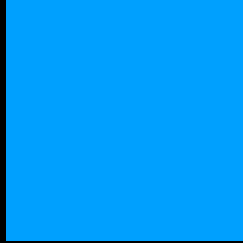
Large Text (above 18pt) WCAG AA × Fail

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 30.4602, 32.2974, 98.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

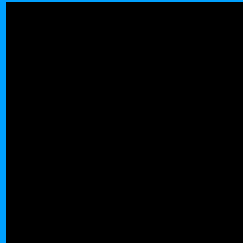
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

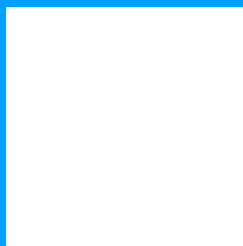
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4602, 32.2974, 98.3945

Background



This preview shows how black text looks on a background with the XYZ color 30.4602, 32.2974, 98.3945.

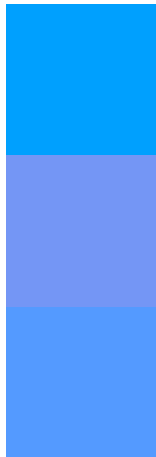


This preview shows how white text looks on a background with the XYZ color 30.4602, 32.2974,

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

30.4602, 32.2974, 98.3945

Protanopia

34.5902, 32.1183, 90.7625

Deuteranopia

33.2618, 32.2160, 99.0730



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

30.4602, 32.2974, 98.3945

Protanomaly

31.3229, 31.3444, 93.2061

Deuteranomaly

31.4067, 31.7538, 99.0815

Tritanomaly

25.0214, 31.8265, 64.4989

Monochromacy



Original Color

30.4602, 32.2974, 98.3945

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2967, 22.1683, 41.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4602, 32.2974, 98.3945 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, 160, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 254)  
}
```

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, 160, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 254) }
```

Border

The CSS property to change the border of an element to XYZ 30.4602, 32.2974, 98.3945 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, 160, 254) }
```


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

```
.border{ border-color:rgb(0, 160, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4602, 32.2974, 98.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 254) }
```

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

```
.background{ background-color: rgb(0, 160,  
254) }
```

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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