

Converting Colors

XYZ(32.1639, 31.2612, 98.9465)

Have a look what the booklet for
XYZ(32.1639, 31.2612, 98.9465)
contains.

XYZ(32.1023, 31.1323, 98.9249)	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(32.1023, 31.1323,
98.9249)**

Conversions

Conversions Part 1

Format	Color
Hex	4A98FF
RGB	74, 152, 255
RGB Percent	29%, 60%, 100%
CMY	0.7098, 0.4039, 0.0000
CMYK	0.71, 0.40, 0.00, 0.00
HSL	214°, 100%, 65%
HSV	214°, 71%, 100%
XYZ	32.1023, 31.1323, 98.9249
YIQ	140.4200, -79.5510, 15.4970

Conversions

Conversions Part 2

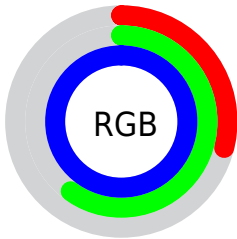
Format	Color
RYB	74, 129, 255
Decimal	4888831
CIELab	62.62, 9.33, -58.16
CIElCh	63, 58.900, 279.114
Yxy	31.1323, 0.1980, 0.1920
Android (android.graphics.Color)	4283078911 (0xFF4A98FF)
YUV	140.4200, 56.4879, -58.2503
Hunter-Lab	55.7963, 5.0560, -66.0616

Details

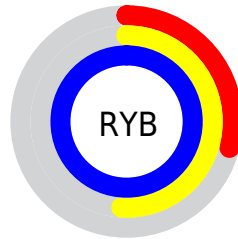
The XYZ color **32.1023, 31.1323, 98.9249** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **58.2009, 53.2034, 13.6826**, and the grayscale version is **24.9015, 26.1983, 28.5300**.

A 20% lighter version of the original color is **51.2766, 57.1134, 102.9292**, and **14.9444, 13.5800, 55.2596** is the 20% darker color. If you saturate the color by 10%, you get **28.3086, 25.8917, 98.1133**, and if you desaturate by 10%, it is **36.9815, 37.3610, 99.8700**.

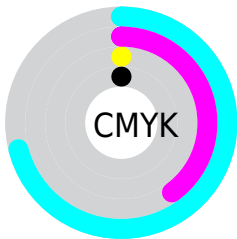
Distribution



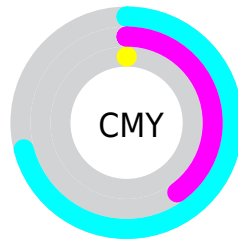
- Red (29%)
- Green (60%)
- Blue (100%)



- Red (29%)
- Yellow (51%)
- Blue (100%)



- Cyan (71%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1023, 31.1323, 98.9249 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 32.1023, 31.1323, 98.9249 by changing the saturation by 10% instead.

■ 32.1023, 31.1323,
98.9249

■ 32.1023, 31.1323,
98.9249

303.3220,
307.1474, 577.9575

■ 21.5956, 20.6996,
74.7911

■ 62.3355, 61.4483,
161.7179

■ 13.6750, 12.9046,
54.9411

■ 82.7928, 82.1004,
201.2143

■ 7.9751, 7.3629,
38.9563

■ 107.2975,
106.9278, 246.6685

■ 4.1307, 3.6901,
26.4181

■ 136.2152,
136.3148, 298.4992

■ 1.7763, 1.5017,
16.9081

169.9111,
170.6459, 357.1249

■ 0.5034, 0.2900,
10.0078

208.7507,

■ 0.0000, 0.0000,

210.3054, 422.9642

5.2984

253.0992,
255.6778, 496.4355

■ 0.0000, 0.0000,
2.3616

■ 0.0000, 0.0000,
0.7654

■ 32.1023, 31.1323,
98.9249

■ 32.1023, 31.1323,
98.9249

■ 28.3086, 25.8917,
98.1133

■ 36.9815, 37.3610,
99.8700

■ 25.4838, 21.5626,
97.4266

■ 43.0383, 44.6389,
100.9555

■ 23.6131, 18.3462,
96.9044

■ 50.3579, 53.0240,
102.1883

■ 59.0160, 62.5689,
103.5743

■ 69.0821, 73.3219,
105.1193

■ 80.6203, 85.3285,
106.8286

■ 93.6909, 98.6315,
108.7075

■ 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.



24.4235, 31.1323, 94.2118



32.1023, 31.1323, 98.9249



40.4306, 31.1323, 81.0414

Triad

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



32.1023, 31.1323, 98.9249



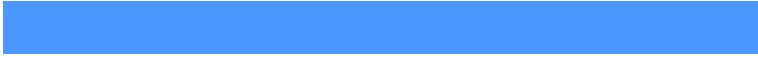
43.2488, 31.1323, 12.9643



17.3890, 31.1323, 20.4587

Complementary

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



32.1023, 31.1323, 98.9249



58.2009, 53.2034, 13.6826

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.



20.8847, 31.1323, 9.8725



32.1023, 31.1323, 98.9249



35.4389, 31.1323, 7.1053

Square

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



32.1023, 31.1323, 98.9249



47.5889, 31.1323, 27.3689



27.2129, 31.1323, 6.3094



16.8207, 31.1323, 41.3903

Rectangle

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



32.1023, 31.1323, 98.9249



44.9050, 31.1323, 62.0168



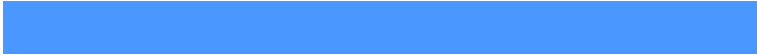
27.2129, 31.1323, 6.3094



18.2259, 31.1323, 15.8980

Sweetspot

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



32.1035, 31.1332, 98.9250



69.0555, 73.2939, 105.1153



46.4782, 76.1336, 53.6173



14.1551, 15.0262, 22.4042



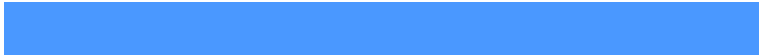
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.1035, 31.1332, 98.9250



27.0623, 24.0443, 97.8224



24.3446, 14.1014, 96.0465



17.6467, 18.6650, 22.9226



12.4799, 9.8693, 50.6818



1.3211, 1.1729, 4.9700

Inverse Universe

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



49.3572, 28.4263, 32.5917



46.0820, 24.3186, 23.9692



73.9359, 91.0576, 20.1598



18.3343, 18.1170, 20.3777



23.0875, 11.7243, 9.1110



2.3014, 1.1630, 1.1688

Previews

White Background



This preview shows how the XYZ color 32.1023, 31.1323, 98.9249 looks on a white background.

Color Contrast Check

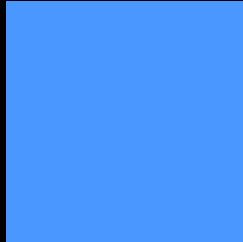
Large Text (above 18pt) WCAG AA × Fail

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 32.1023, 31.1323, 98.9249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

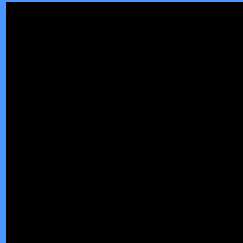
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

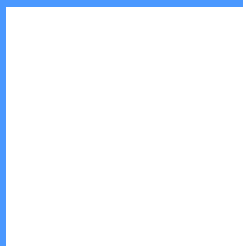
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1023, 31.1323, 98.9249

Background



This preview shows how black text looks on a background with the XYZ color 32.1023, 31.1323, 98.9249.



This preview shows how white text looks on a background with the XYZ color 32.1023, 31.1323,

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

32.1023, 31.1323, 98.9249

Protanopia

33.8734, 30.9577, 94.6326

Deuteranopia

32.1799, 31.1723, 98.9285



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

32.1023, 31.1323, 98.9249

Protanomaly

33.1420, 31.0100, 96.3342

Deuteranomaly

32.1799, 31.1723, 98.9285

Tritanomaly

24.6348, 30.5787, 63.6354

Monochromacy



Original Color

32.1023, 31.1323, 98.9249

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.6192, 27.0369, 48.1243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1023, 31.1323, 98.9249 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(74, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 152, 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(74, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.1023, 31.1323, 98.9249 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(74, 152, 255) }
```


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

```
.border{ border-color:rgb(74, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1023, 31.1323, 98.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 152, 255) }
```

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

```
.background{ background-color: rgb(74, 152,  
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](#).

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