

Converting Colors

XYZ(63.8720, 81.2126,
103.5760)

Have a look what the booklet for
XYZ(63.8720, 81.2126, 103.5760)
contains.

XYZ(63.8659, 81.2004, 103.5739)	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(63.8659, 81.2004,
103.5739)**

Conversions

Conversions Part 1

Format	Color
Hex	96F9FB
RGB	150, 249, 251
RGB Percent	59%, 98%, 98%
CMY	0.4117, 0.0235, 0.0157
CMYK	0.40, 0.01, 0.00, 0.02
HSL	181°, 93%, 79%
HSV	181°, 40%, 98%
XYZ	63.8659, 81.2004, 103.5739
YIQ	219.6270, -59.6460, -20.3660

Conversions

Conversions Part 2

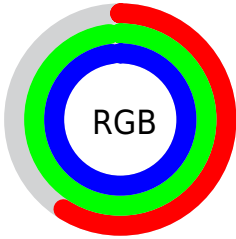
Format	Color
R_{YB}	150, 200, 251
Decimal	9894395
CIE _{Lab}	92.22, -28.53, -10.11
CIE _{LCh}	92, 30.268, 199.508
Yxy	81.2004, 0.2569, 0.3266
Android (android.graphics.Color)	4288084475 (0xFF96F9FB)
YUV	219.6270, 15.4669, -61.0629
Hunter-Lab	90.1113, -31.1837, -5.0700

Details

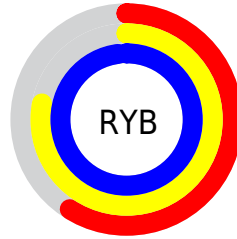
The XYZ color **63.8659, 81.2004, 103.5739** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.5181, 45.1687, 34.5956**, and the grayscale version is **67.6951, 71.2205, 77.5591**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **33.1136, 43.9147, 58.3609** is the 20% darker color. If you saturate the color by 10%, you get **59.5801, 78.7654, 103.3312**, and if you desaturate by 10%, it is **69.1461, 84.1525, 103.8668**.

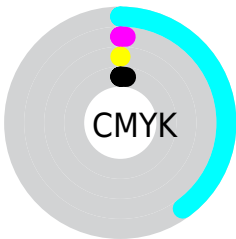
Distribution



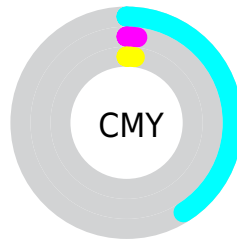
- Red (59%)
- Green (98%)
- Blue (98%)



- Red (59%)
- Yellow (78%)
- Blue (98%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)





- Cyan (41%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8659, 81.2004, 103.5739 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 63.8659, 81.2004, 103.5739 by changing the saturation by 10% instead.

 63.8659, 81.2004,
103.5739


 63.8659, 81.2004,
103.5739


428.3151,
498.9691, 592.9354

 46.8033, 60.7067,
78.6551


 109.4926,
135.0521, 168.1545

 33.0875, 43.9885,
58.0927


 138.7875,
169.1789, 208.6534

 22.3531, 30.6614,
41.4680

172.8905,
208.6188, 255.1828

 14.2346, 20.3412,
28.3625

212.1670,
253.7562, 308.1611

 8.3668, 12.6433,
18.3577

256.9823,
304.9756, 368.0070

 4.3843, 7.1834,
11.0350

307.7019,

 1.9218, 3.5771,

362.6612, 435.1390

5.9759

364.6911,
427.1976, 509.9756

■ 0.5894, 1.4399,
2.7619

■ 0.0000, 0.2459,
0.9744

■ 63.8659, 81.2004,
103.5739

■ 63.8659, 81.2004,
103.5739

■ 59.5801, 78.7654,
103.3312

■ 69.1461, 84.1525,
103.8668

■ 56.2177, 76.8052,
103.1300

■ 75.4716, 87.6421,
104.2070

■ 53.7099, 75.2861,
102.9690

■ 82.8984, 91.7000,
104.5988

■ 51.9753, 74.1662,
102.8443

■ 91.4765, 96.3520,
105.0446

■ 50.9165, 73.3953,
102.7513

■ 93.3021, 97.5237,
105.1746

■ 50.3801, 72.8996,
102.6839

■ 93.4578, 97.8350,
105.2264

■ 93.6139, 98.1472,
105.2785

■ 93.7704, 98.4602,
105.3306

■ 93.9273, 98.7740,
105.3829

Harmonies

Analogous

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



63.3287, 81.2004, 80.8076



63.8659, 81.2004, 103.5739



67.8284, 81.2004, 125.3374

Triad

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



63.8659, 81.2004, 103.5739



89.1769, 81.2004, 119.3984



79.9468, 81.2004, 52.4959

Complementary

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



63.8659, 81.2004, 103.5739



56.5181, 45.1687, 34.5956

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.



87.3508, 81.2004, 59.5628



63.8659, 81.2004, 103.5739



92.9134, 81.2004, 96.4822

Square

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



63.8659, 81.2004, 103.5739



82.3050, 81.2004, 135.4871



92.2234, 81.2004, 74.8096



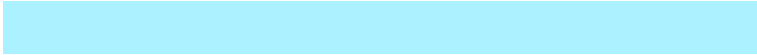
72.2695, 81.2004, 53.7423

Rectangle

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



63.8659, 81.2004, 103.5739



72.0377, 81.2004, 135.1514



92.2234, 81.2004, 74.8096



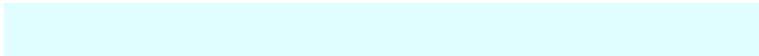
82.5583, 81.2004, 53.9238

Sweetspot

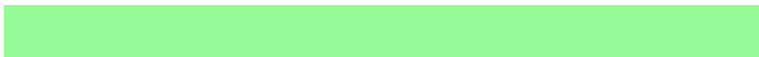
The Sweet Spot groups the original color and five complimentary colors.



63.8683, 81.2036, 103.5758



84.4818, 94.2658, 108.3502



52.7181, 77.7366, 41.7979



17.8588, 20.0547, 23.1796



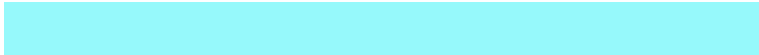
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

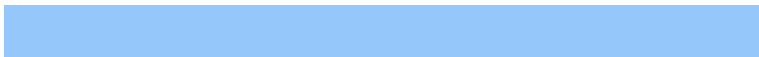
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8683, 81.2036, 103.5758



62.6525, 82.1593, 107.1639



50.3733, 54.2135, 99.0774



17.7347, 19.5462, 22.2234



26.4951, 38.3457, 53.9786



2.4630, 3.5697, 5.0024

Inverse Universe

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



67.7908, 49.1634, 95.5426



67.2355, 44.9908, 97.7180



66.4539, 65.0402, 37.9075



17.9774, 17.5183, 21.7365



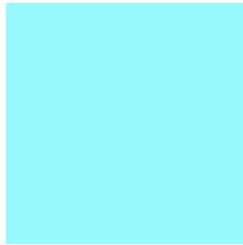
29.6655, 14.2819, 47.0745



2.7521, 1.3246, 4.3842

Previews

White Background



This preview shows how the XYZ color 63.8659, 81.2004, 103.5739 looks on a white background.

Color Contrast Check

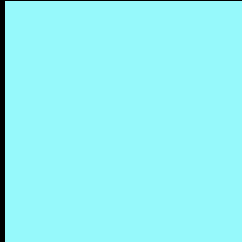
Large Text (above 18pt) WCAG AA × Fail

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 63.8659, 81.2004, 103.5739 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

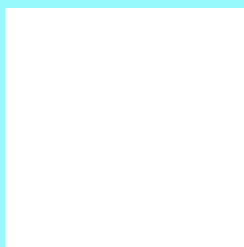
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8659, 81.2004, 103.5739

Background



This preview shows how black text looks on a background with the XYZ color 63.8659, 81.2004, 103.5739.

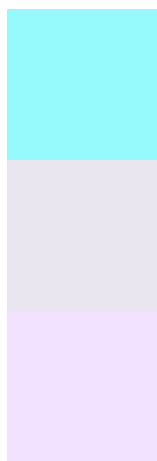


This preview shows how white text looks on a background with the XYZ color 63.8659, 81.2004,

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

63.8659, 81.2004, 103.5739

Protanopia

77.6293, 80.2085, 93.8284

Deuteranopia

81.8643, 80.4900, 105.8291



Tritanopia

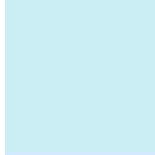
70.0518, 81.1634, 106.5817

Trichromacy



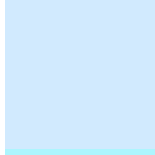
Original Color

63.8659, 81.2004, 103.5739



Protanomaly

71.2419, 79.7965, 97.2354



Deuteranomaly

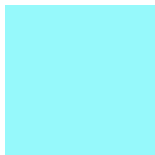
73.6067, 79.5567, 105.2424



Tritanomaly

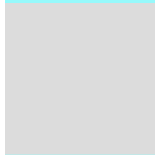
67.7754, 81.3448, 105.8949

Monochromacy



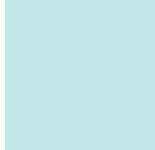
Original Color

63.8659, 81.2004, 103.5739



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.5054, 74.5235, 86.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8659, 81.2004, 103.5739 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(150, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(150, 249, 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(150, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 249, 251) }
```

Border

The CSS property to change the border of an element to XYZ 63.8659, 81.2004, 103.5739 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(150, 249, 251) }
```


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

```
.border{ border-color:rgb(150, 249, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 249, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(150, 249,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8659, 81.2004, 103.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 249, 251) }
```

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

```
.background{ background-color: rgb(150,  
249, 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