

Converting Colors

XYZ(62.2079, 64.4897,
103.7874)

Have a look what the booklet for
XYZ(62.2079, 64.4897, 103.7874)
contains.

XYZ(62.3305, 64.6273, 103.7969)	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(62.3305, 64.6273,
103.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	BDD3FF
RGB	189, 211, 255
RGB Percent	74%, 83%, 100%
CMY	0.2588, 0.1725, 0.0000
CMYK	0.26, 0.17, 0.00, 0.00
HSL	220°, 100%, 87%
HSV	220°, 26%, 100%
XYZ	62.3305, 64.6273, 103.7969
YIQ	209.4380, -27.2360, 9.0200

Conversions

Conversions Part 2

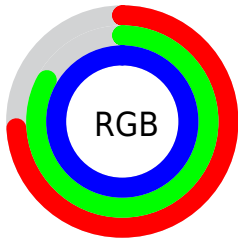
Format	Color
R_{YB}	189, 206, 255
Decimal	12440575
CIE Lab	84.29, 2.11, -23.92
CIE LCh	84, 24.013, 275.043
Yxy	64.6273, 0.2701, 0.2801
Android (android.graphics.Color)	4290630655 (0xFFBDD3FF)
YUV	209.4380, 22.4621, -17.9241
Hunter-Lab	80.3911, -2.2861, -20.2785

Details

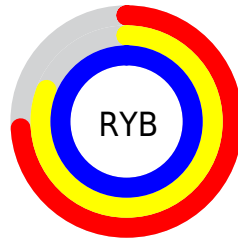
The XYZ color **62.3305, 64.6273, 103.7969** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5643, 83.2115, 60.0138**, and the grayscale version is **60.7624, 63.9268, 69.6163**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **32.0815, 33.2595, 58.1549** is the 20% darker color. If you saturate the color by 10%, you get **52.5504, 53.6455, 102.1927**, and if you desaturate by 10%, it is **73.6729, 77.0806, 105.6028**.

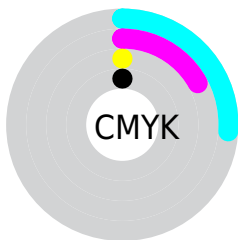
Distribution



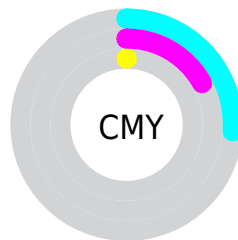
- Red (74%)
- Green (83%)
- Blue (100%)



- Red (74%)
- Yellow (81%)
- Blue (100%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3305, 64.6273, 103.7969 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 62.3305, 64.6273, 103.7969 by changing the saturation by 10% instead.

■ 62.3305, 64.6273,
103.7969

■ 62.3305, 64.6273,
103.7969

422.8340,
441.4514, 593.6488

■ 45.5564, 47.1589,
78.8408

■ 107.2903,
111.5139, 168.4625

■ 32.0991, 33.1613,
58.2444

136.2067,
141.7008, 209.0090

■ 21.5931, 22.2501,
41.5891

169.9013,
176.8962, 255.5895

■ 13.6731, 14.0407,
28.4565

208.7394,
217.4842, 308.6223

■ 7.9739, 8.1490,
18.4281

253.0864,
263.8493, 368.5262

■ 4.1299, 4.1904,
11.0851

303.3075,

■ 1.7759, 1.7807,

316.3760, 435.7195

6.0092

359.7683,
375.4486, 510.6209

■ 0.5031, 0.4751,
2.7818

■ 0.0000, 0.0000,
0.9843

■ 62.3305, 64.6273,
103.7969

■ 62.3305, 64.6273,
103.7969

■ 52.5504, 53.6455,
102.1927

■ 73.6729, 77.0806,
105.6028

■ 44.2550, 44.0701,
100.7816

■ 86.6394, 91.0522,
107.6162

■ 37.3682, 35.8417,
99.5564

95.0500, 100.0000,
108.9000

■ 31.8043, 28.8935,
98.5085

■ 27.4675, 23.1519,
97.6288

■ 24.2473, 18.5343,
96.9073

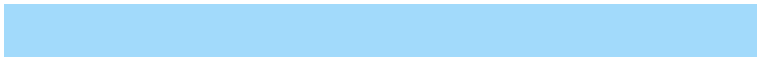
■ 22.0095, 14.9438,
96.3322

■ 21.2991, 13.7183,
96.1330

Harmonies

Analogous

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



57.2076, 64.6273, 100.4338



62.3305, 64.6273, 103.7969



67.4934, 64.6273, 97.2024

Triad

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



62.3305, 64.6273, 103.7969



70.1940, 64.6273, 54.8416



52.6053, 64.6273, 58.7091

Complementary

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



62.3305, 64.6273, 103.7969



79.5643, 83.2115, 60.0138

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.



55.7342, 64.6273, 48.9918



62.3305, 64.6273, 103.7969



65.8475, 64.6273, 46.9953

Square

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



62.3305, 64.6273, 103.7969



72.1977, 64.6273, 67.8225



60.5309, 64.6273, 45.0188



51.7834, 64.6273, 72.9767

Rectangle

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



62.3305, 64.6273, 103.7969



70.2036, 64.6273, 88.5372



60.5309, 64.6273, 45.0188



53.4129, 64.6273, 54.8721

Sweetspot

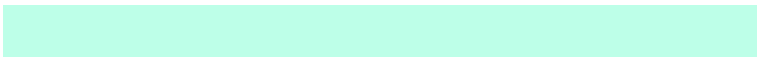
The Sweet Spot groups the original color and five complimentary colors.



62.3323, 64.6298, 103.7973



83.7530, 87.9622, 107.1719



71.2985, 88.1598, 89.5290



17.4977, 18.3670, 22.8729



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.



62.3323, 64.6298, 103.7973



57.1348, 58.8274, 102.9512



59.7756, 55.7453, 102.2172



17.4977, 18.3670, 22.8729



11.2512, 7.4119, 50.2722



1.1911, 0.9130, 4.9267

Inverse Universe

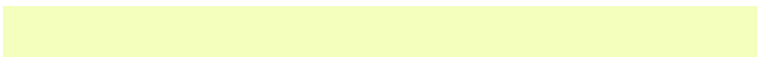
The Inverse Universe completely reimagines the original color for something new.



71.1967, 62.3599, 69.9149



67.4521, 56.5697, 63.4290



82.6369, 94.6248, 62.0549



18.2591, 18.0870, 19.9817



22.4673, 11.4762, 5.8451



2.2358, 1.1367, 0.8233

Previews

White Background



This preview shows how the XYZ color 62.3305, 64.6273, 103.7969 looks on a white background.

Color Contrast Check

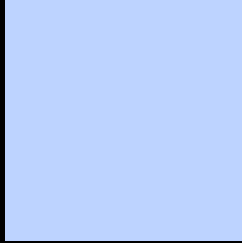
Large Text (above 18pt) WCAG AA × Fail

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 62.3305, 64.6273, 103.7969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

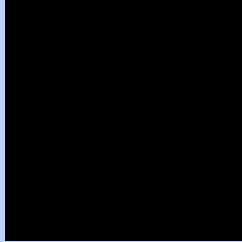
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3305, 64.6273, 103.7969

Background



This preview shows how black text looks on a background with the XYZ color 62.3305, 64.6273, 103.7969.



This preview shows how white text looks on a background with the XYZ color 62.3305, 64.6273,

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

62.3305, 64.6273, 103.7969

Protanopia

64.1049, 64.4830, 101.9963

Deuteranopia

65.8534, 64.6280, 103.6113



Tritanopia

58.6331, 64.6174, 85.7260

Trichromacy



Original Color

62.3305, 64.6273, 103.7969

Protanomaly

63.4548, 64.4924, 102.8698

Deuteranomaly

64.4253, 64.6111, 103.6834

Tritanomaly

60.0244, 64.8235, 91.7866

Monochromacy



Original Color

62.3305, 64.6273, 103.7969

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.1312, 64.1407, 81.1099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3305, 64.6273, 103.7969 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(189, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 211, 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(189, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.3305, 64.6273, 103.7969 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(189, 211, 255) }
```


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

```
.border{ border-color:rgb(189, 211, 255) }
```

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

Here you see how a box with a 4 pixel rgb(189, 211, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 211,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3305, 64.6273, 103.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 211, 255) }
```

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

```
.background{ background-color: rgb(189,  
211, 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