

Converting Colors

XYZ(64.3676, 64.9768,
103.7570)

Have a look what the booklet for
XYZ(64.3676, 64.9768, 103.7570)
contains.

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Color

**XYZ(64.4037, 64.9630,
103.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D1FF
RGB	199, 209, 255
RGB Percent	78%, 82%, 100%
CMY	0.2196, 0.1804, 0.0000
CMYK	0.22, 0.18, 0.00, 0.00
HSL	229°, 100%, 89%
HSV	229°, 22%, 100%
XYZ	64.4037, 64.9630, 103.7524
YIQ	211.2540, -20.7260, 12.1860

Conversions

Conversions Part 2

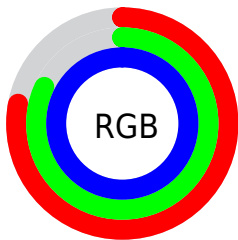
Format	Color
R_{YB}	199, 207, 255
Decimal	13095423
CIE _{Lab}	84.46, 6.13, -23.59
CIE _{LCh}	84, 24.376, 284.559
Yxy	64.9630, 0.2763, 0.2787
Android (android.graphics.Color)	4291285503 (0xFFC7D1FF)
YUV	211.2540, 21.5668, -10.7468
Hunter-Lab	80.5996, 1.5823, -19.9017

Details

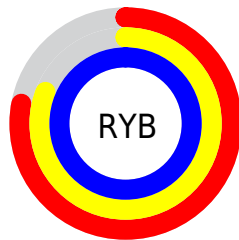
The XYZ color **64.4037, 64.9630, 103.7524** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.2013, 90.6879, 67.1014**, and the grayscale version is **61.9580, 65.1847, 70.9861**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4160, 33.4492, 58.1212** is the 20% darker color. If you saturate the color by 10%, you get **53.3908, 52.1532, 101.8603**, and if you desaturate by 10%, it is **77.2296, 79.7136, 105.9236**.

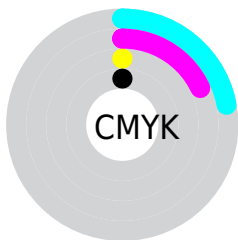
Distribution



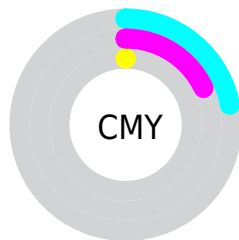
- Red (78%)
- Green (82%)
- Blue (100%)



- Red (78%)
- Yellow (81%)
- Blue (100%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4037, 64.9630, 103.7524 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 64.4037, 64.9630, 103.7524 by changing the saturation by 10% instead.

■ 64.4037, 64.9630,
103.7524

■ 64.4037, 64.9630,
103.7524

430.2252,
442.6590, 593.5065

■ 47.2406, 47.4311,
78.8037

110.2626,
111.9967, 168.4010

■ 33.4347, 33.3766,
58.2141

139.6892,
142.2672, 208.9381

■ 22.6205, 22.4151,
41.5649

173.9343,
177.5527, 255.5083

■ 14.4327, 14.1622,
28.4378

213.3632,
218.2376, 308.5303

■ 8.5059, 8.2336,
18.4140

258.3415,
264.7063, 368.4226

■ 4.4748, 4.2448,
11.0751

309.2343,

■ 1.9741, 1.8114,

317.3432, 435.6037

6.0026

366.4071,
376.5326, 510.4921

■ 0.6194, 0.4943,
2.7778

■ 0.0000, 0.0000,
0.9823

■ 64.4037, 64.9630,
103.7524

■ 64.4037, 64.9630,
103.7524

■ 53.3908, 52.1532,
101.8603

■ 77.2296, 79.7136,
105.9236

■ 44.1027, 41.1950,
100.2347

■ 91.9401, 96.4738,
108.3833

■ 36.4521, 32.0037,
98.8638

■ 95.0500, 100.0000,
108.9000

■ 30.3418, 24.4849,
97.7346

■ 25.6637, 18.5349,
96.8327

■ 22.2954, 14.0380,
96.1423

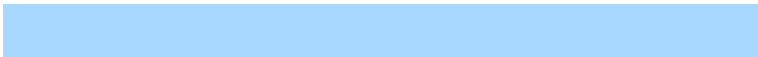
■ 20.0924, 10.8612,
95.6452

■ 19.0092, 9.1385,
95.3697

Harmonies

Analogous

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



59.0106, 64.9630, 103.5988



64.4037, 64.9630, 103.7524



69.3541, 64.9630, 94.2162

Triad

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



64.4037, 64.9630, 103.7524



69.4769, 64.9630, 51.7820



52.2303, 64.9630, 63.0771

Complementary

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



64.4037, 64.9630, 103.7524



84.2013, 90.6879, 67.1014

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.



54.7145, 64.9630, 51.5182



64.4037, 64.9630, 103.7524



64.5634, 64.9630, 45.6774

Square

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



64.4037, 64.9630, 103.7524



72.3974, 64.9630, 63.4896



59.1612, 64.9630, 45.5885



52.1931, 64.9630, 78.5088

Rectangle

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



64.4037, 64.9630, 103.7524



71.6479, 64.9630, 84.3531



59.1612, 64.9630, 45.5885



52.8001, 64.9630, 58.6653

Sweetspot

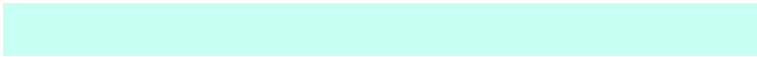
The Sweet Spot groups the original color and five complimentary colors.



64.4055, 64.9655, 103.7528



84.2848, 87.7697, 107.1067



75.7549, 90.2389, 99.5985



17.8513, 18.5707, 22.8936



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.



64.4055, 64.9655, 103.7528



59.7417, 59.5601, 102.9553



67.0109, 62.7796, 103.1936



17.2653, 17.9022, 22.7954



10.0080, 4.9257, 49.8578



1.0425, 0.6156, 4.8772

Inverse Universe

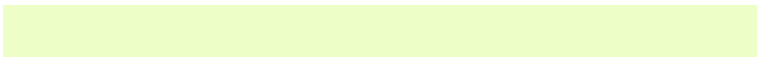
The Inverse Universe completely reimagines the original color for something new.



73.1733, 66.7120, 69.3444



69.8618, 61.7217, 63.2071



81.0837, 93.6943, 67.8460



18.1418, 18.0400, 19.3639



21.8398, 11.2252, 2.5409



2.1608, 1.1067, 0.4282

Previews

White Background



This preview shows how the XYZ color 64.4037, 64.9630, 103.7524 looks on a white background.

Color Contrast Check

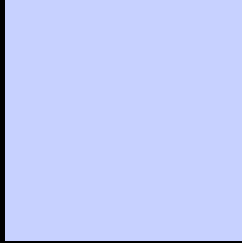
Large Text (above 18pt) WCAG AA × Fail

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 64.4037, 64.9630, 103.7524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

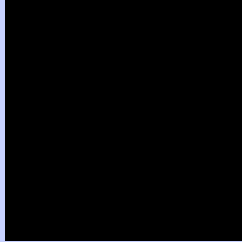
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4037, 64.9630, 103.7524

Background



This preview shows how black text looks on a background with the XYZ color 64.4037, 64.9630, 103.7524.



This preview shows how white text looks on a background with the XYZ color 64.4037, 64.9630,

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

64.4037, 64.9630, 103.7524

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

66.4158, 64.9179, 103.6377



Tritanopia

60.3253, 64.7710, 84.1855

Trichromacy



Original Color

64.4037, 64.9630, 103.7524

Protanomaly

64.6699, 65.1003, 103.7649

Deuteranomaly

65.5397, 64.8248, 103.6659

Tritanomaly

61.8884, 65.0547, 90.9563

Monochromacy



Original Color

64.4037, 64.9630, 103.7524

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.6438, 64.9046, 81.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4037, 64.9630, 103.7524 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(199, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 209, 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(199, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4037, 64.9630, 103.7524 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(199, 209, 255) }
```


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

```
.border{ border-color:rgb(199, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4037, 64.9630, 103.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 209, 255) }
```

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

```
.background{ background-color: rgb(199,  
209, 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](#).

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