

Converting Colors

XYZ(65.0200, 64.1937,
103.5714)

Have a look what the booklet for
XYZ(65.0200, 64.1937, 103.5714)
contains.

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Color

**XYZ(65.0231, 64.2000,
103.5725)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCEFF
RGB	204, 206, 255
RGB Percent	80%, 81%, 100%
CMY	0.2000, 0.1921, 0.0000
CMYK	0.20, 0.19, 0.00, 0.00
HSL	238°, 100%, 90%
HSV	238°, 20%, 100%
XYZ	65.0231, 64.2000, 103.5725
YIQ	210.9880, -16.9210, 14.8150

Conversions

Conversions Part 2

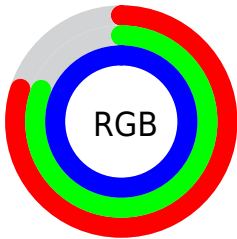
Format	Color
R_{YB}	204, 206, 255
Decimal	13422335
CIE _{Lab}	84.07, 9.23, -24.16
CIE _{LCh}	84, 25.864, 290.915
Yxy	64.2000, 0.2793, 0.2758
Android (android.graphics.Color)	4291612415 (0xFFCCCEFF)
YUV	210.9880, 21.6979, -6.1285
Hunter-Lab	80.1249, 4.6381, -20.5531

Details

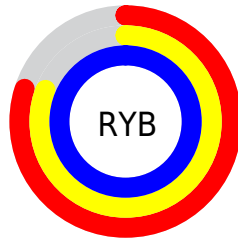
The XYZ color **65.0231, 64.2000, 103.5725** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.2640, 95.8690, 71.0335**, and the grayscale version is **61.7798, 64.9971, 70.7819**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8157, 32.9233, 57.9986** is the 20% darker color. If you saturate the color by 10%, you get **53.1525, 49.9983, 101.4569**, and if you desaturate by 10%, it is **78.9608, 80.8351, 106.0488**.

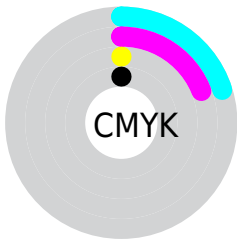
Distribution



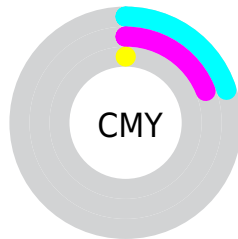
- Red (80%)
- Green (81%)
- Blue (100%)



- Red (80%)
- Yellow (81%)
- Blue (100%)



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0231, 64.2000, 103.5725 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 65.0231, 64.2000, 103.5725 by changing the saturation by 10% instead.

■ 65.0231, 64.2000,
103.5725

■ 65.0231, 64.2000,
103.5725

432.4189,
439.9115, 592.9309

■ 47.7446, 46.8127,
78.6540

111.1486,
110.8989, 168.1526

■ 33.8351, 32.8876,
58.0917

140.7263,
140.9793, 208.6512

■ 22.9292, 22.0404,
41.4672

175.1344,
176.0595, 255.1802

■ 14.6617, 13.8866,
28.3619

214.7383,
216.5239, 308.1582

■ 8.6670, 8.0418,
18.3572

259.9033,
262.7569, 368.0038

■ 4.5800, 4.1217,
11.0347

310.9949,

■ 2.0352, 1.7419,

315.1429, 435.1354

5.9757

368.3783,
374.0663, 509.9716

■ 0.6536, 0.4506,
2.7618

■ 0.0000, 0.0000,
0.9743

■ 65.0231, 64.2000,
103.5725

■ 65.0231, 64.2000,
103.5725

■ 53.1525, 49.9983,
101.4569

■ 78.9608, 80.8351,
106.0488

■ 43.2455, 38.1088,
99.6842

95.0500, 100.0000,
108.9000

■ 35.1977, 28.4113,
98.2366

■ 28.8933, 20.7719,
97.0943

■ 24.2030, 15.0420,
96.2355

■ 20.9799, 11.0530,
95.6354

■ 19.0502, 8.6067,
95.2649

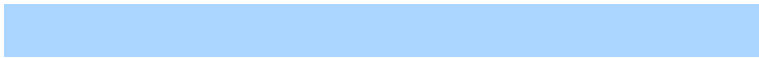
■ 18.1587, 7.4374,
95.0862

■ 18.1587, 7.4373,
95.0862

Harmonies

Analogous

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



59.3032, 64.2000, 105.7671



65.0231, 64.2000, 103.5725



69.9432, 64.2000, 91.6555

Triad

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



65.0231, 64.2000, 103.5725



68.2058, 64.2000, 48.2306



50.8102, 64.2000, 65.0553

Complementary

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



65.0231, 64.2000, 103.5725



87.2640, 95.8690, 71.0335

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.



52.8903, 64.2000, 51.8969



65.0231, 64.2000, 103.5725



62.7700, 64.2000, 43.2288

Square

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



65.0231, 64.2000, 103.5725



71.8588, 64.2000, 59.2706



57.1850, 64.2000, 44.4574



51.3302, 64.2000, 81.7363

Rectangle

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



65.0231, 64.2000, 103.5725



71.9926, 64.2000, 80.6941



57.1850, 64.2000, 44.4574



51.2234, 64.2000, 60.1193

Sweetspot

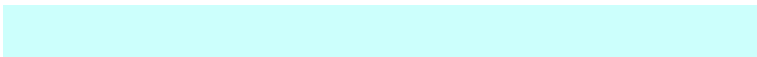
The Sweet Spot groups the original color and five complimentary colors.



65.0249, 64.2025, 103.5729



85.1321, 88.1902, 107.1432



78.3046, 91.4146, 105.9876



18.0009, 18.6132, 22.8939



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.



65.0249, 64.2025, 103.5729



60.0325, 58.2342, 102.6840



71.3067, 66.7299, 103.7296



17.0602, 17.4920, 22.7271



9.5130, 3.9356, 49.6928



0.9455, 0.4217, 4.8448

Inverse Universe

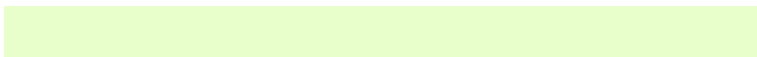
The Inverse Universe completely reimagines the original color for something new.



73.9746, 68.9034, 67.7962



70.4742, 63.7494, 60.9360



79.9547, 93.0441, 70.8735



18.0383, 17.9986, 18.8187



21.5899, 11.1253, 1.2251



2.1118, 1.0871, 0.1704

Previews

White Background



This preview shows how the XYZ color 65.0231, 64.2000, 103.5725 looks on a white background.

Color Contrast Check

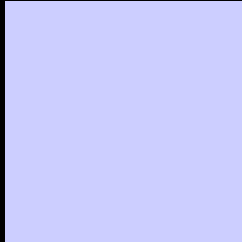
Large Text (above 18pt) WCAG AA × Fail

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 65.0231, 64.2000, 103.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

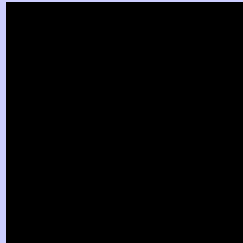
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0231, 64.2000, 103.5725

Background



This preview shows how black text looks on a background with the XYZ color 65.0231, 64.2000, 103.5725.



This preview shows how white text looks on a background with the XYZ color 65.0231, 64.2000,

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

65.0231, 64.2000, 103.5725

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

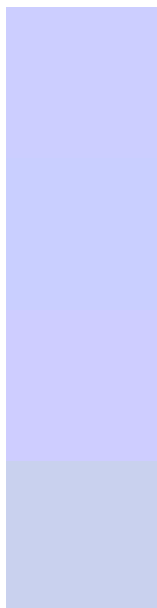
65.6134, 64.1480, 103.5314



Tritanopia

60.8510, 64.3321, 82.6089

Trichromacy



Original Color

65.0231, 64.2000, 103.5725

Protanomaly

64.4502, 64.2632, 103.6149

Deuteranomaly

65.3349, 64.0045, 103.5183

Tritanomaly

62.3205, 64.1915, 89.9945

Monochromacy



Original Color

65.0231, 64.2000, 103.5725

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.6780, 64.5569, 81.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0231, 64.2000, 103.5725 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(204, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 206, 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(204, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0231, 64.2000, 103.5725 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(204, 206, 255) }
```


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

```
.border{ border-color:rgb(204, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(204, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0231, 64.2000, 103.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 206, 255) }
```

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

```
.background{ background-color: rgb(204,  
206, 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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